ORDER NO. ACED060104C3

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-C7303W
WMA MP3 CD Player/Receiver

SPECIFICATIONS

Specifications*

General	
Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Tone Controls (Bass/ Treble)	Bass: ±12dB at 60Hz / Treble: ± 12dB at 16kHz
Equlizer Center Frequency	60, 160, 400, 1k, 3k, 6k, 16k Hz
Variable Range of Equalizer	-12dB to 12dB (2dB step)
Current Consumption	Less than 2.2A / (CD mode; 0.5W × 4 -speaker)
Maximum Power Output	50W × 4 (at 1kHz)
Power Output	18W × 4CH (1kHz, 1%, 4)
Speaker Impedance	4 - 8
Pre-amp Output Voltage	5V(CD mode; 1kHz, 0dB)
Subwoofer Output Voltage	5V(CD mode; 1kHz, 0dB)
Pre-amp Output Impedance	60
Subwoofer Output Impedance	60
FM Stereo Radio	
Frequency Range	87.5MHz - 108.0MHz
Usable Sensitivity	6dB/ V (S/N 30dB)
Stereo Separation	35dB (at 1kHz)
AM Radio	
Frequency Range	531kHz - 1,602kHz
Usable Sensitivity	28dB/ V (S/N 20dB)
CD Player	

Sampling Frequency	8 Times Oversampling
DA Converter	4 DAC System
Pick-up Type	Astigma 3-Beam
Light Source	Semiconductor Laser
Wave Length	790 nm
Frequency Response	20Hz-20kHz (±1dB)
Signal to Noise Ratio	96dB
Total Harmonic Distortion	0.01% (1kHz)
Wow and Flutter	Below Measurable Limits
Channel Separation	75dB
Dimensions (W×H×D)**	178×50×155mm
Weight**	1.6 kg
* Specifications and the design are subject to possible modification without notice due to improvements. ** Dimensions and Weight shown are approximate. ** Above specifications comply with EIA standards.	

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1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically

the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.

- Pb free solder will tend to splash when heated too high (about 1100°F/ 600°C)

- This lead free solder will be used for the products after serial No. 1,000,001.

2. FEATUERS

- Hands-Free Phone System (The optional Bluetooth hands-free kit: CY-BT100N).

- Expansion Module (The optional Hub unit: CY-EM100N).

- The optional adapter allows you to connect the optional Panasonic DVD changer unit (CX-DH801W).

- The optional adapter allows you to connect the optional Panasonic CD changer unit (CX-DP880).

- The optional adapter allows you to connect the optional iPod series.

- SQ (Sound Quality).

- SQ7 (7-Band Sound Quality) .

- D.M(Direct Memory).

- Customize the Display (Customize Function).

- MP3/WMA Playback from CD-R/RW.

3. REPLACEING THE FUSE

Use fuses of the same specified rating 15 amps. Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

4. MAINTENANCE

Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvent.

5. NOTES

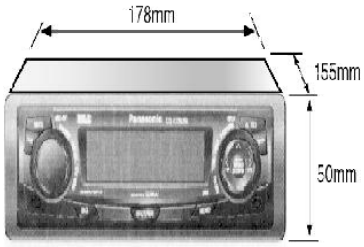
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit

6. DIMENSIONS



7. LASER PRODUCTS

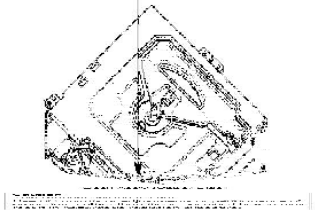
CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

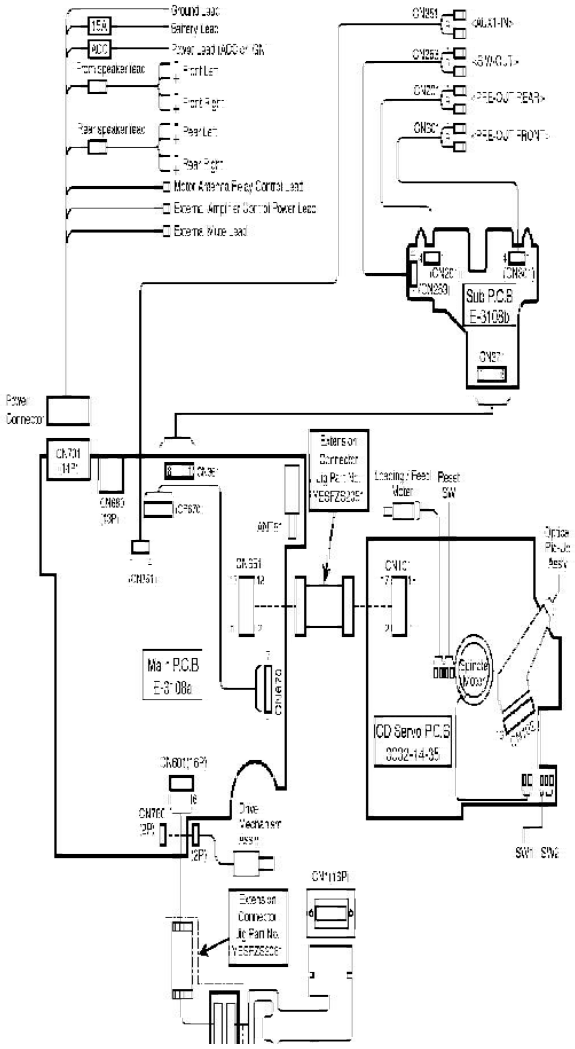
Laser radiation from the pickup lens is safety level, but be sure the followings.

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam.

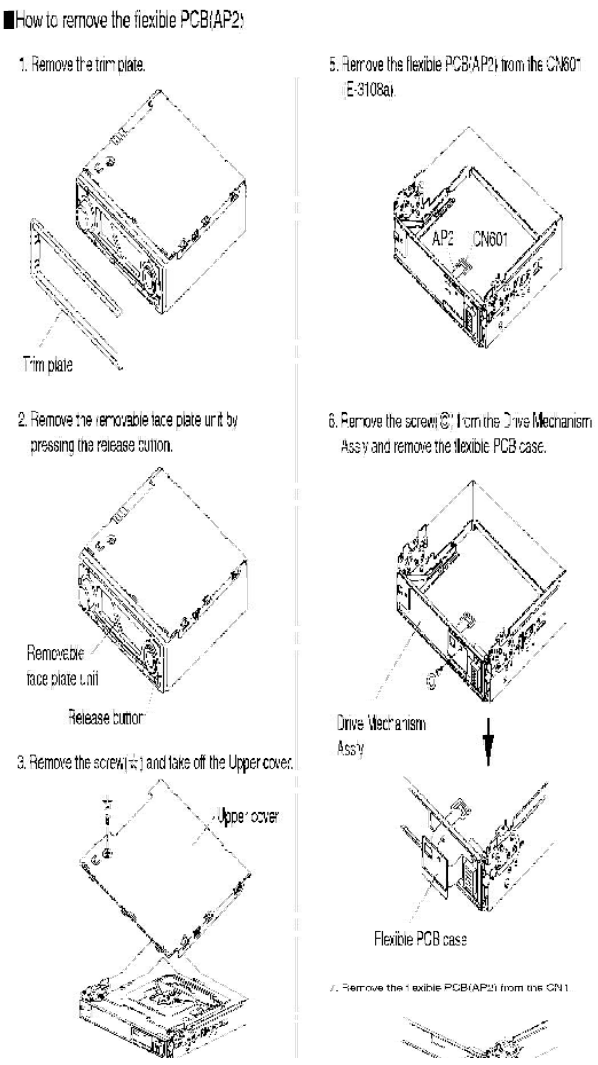


8. WIRING CONNECTION



9. DISASSEMBLY INSTRUCTIONS

9.1. How to Remove the Flexible PCB(AP2)


How to remove the flexible PCB(AP2)
1. Remove the trim plate.
Trim plate
2. Remove the removable face plate unit by pressing the release button.
Removeable face plate unit
Release button
3. Remove the screw(☆) and take off the Upper cover.
Upper cover
5. Remove the flexible PCB(AP2) from the CN601 (E-3108a).
AP2
CN601
6. Remove the screw(☆) from the Drive Mechanism Assy and remove the flexible PCB case.
Drive Mechanism Assy
Flexible PCB case

9.2. How to Install the Main P.C.B. of the Electric Display

10. TERMINALS DESCRIPTION

10.1. Main Block

IC601 : C2CBKG000035

Pin No.	Port	Part Name & Description	I/O	FM	AM	CD
1	PANEL OPEN	Panel open detection	I	0	5.2	5.2
2	PANEL CLOSE	Panel close detection	I	0	0	5.2
3	SUBM CNT	3.3V power control for Display	O	5	-	-
4	BATT	Battery power check	I	4.8	5	5
5	ACC	Acc. power check	I	4.8	5	5
6	SDA	Serial data for electronic volume	I/O	4.9	4.9	4.9
7	SCLK	Serial clock for electronic volume	O	4.9	4.9	4.9
8	CD MUTE	Signal mute from CD deck	I	5	5	5
9	Vss	GND	-	0	0	0
10	ST	FM stereo detection	I	5.1	5.2	5.2
11	PLL DI	Serial data to PLL	O	0.6	0	0
12	PLL DO	Serial data from PLL	I	5.2	5.2	5.2
13	PLL CLK	Serial clock for PLL	O	4.9	4.9	4.9
14	PLL CE	Chip enable for PLL	O	0	0	0
15	CD RESET	Reset for CD deck	O	4.9	4.9	4.9
16	SUB SI	Serial data to Display CPU	O	0.6	0.6	0.8
17	CD IN	Disc-in detection	I	5	5	5
18	SUB SO	Serial data from Display CPU	I	4.4	4.4	4.4
19	UP SO	XM SO/UP SO Serial data from Changer	I	1.6	1.6	1.6
20	UP CLK	Serial clock for Changer or Flash writer	I	4.9	4.9	4.9
21	Vdd	+5V power supply	-	4.9	4.9	4.9
22	XM SI (MO)/ UP SI	Serial data to Satellite or Flash writer	O	0	0	0
23	CD SI	Serial data to CD deck	O	0	0	0
24	CD SCLK	Serial clock for CD deck	I/O	0	0.4	0
25	CONDENSOR	Capacitor connection for power	-	3.3	3.3	3.3
26	CD DO	Serial data from CD deck	I	0	0	0
27	CH STB	Strobe from Changer	I	0	0	0
28	CH REM OUT	Remote control codes to Changer	O	4.9	4.9	0.4
29	DECK V CONT	Power control for CD deck	O	4.9	4.9	4.9
30	REMO INT	Interrupt for remote control	I	3.7	3.7	3.7
31	CD FS	Frame sync. for CD deck	O	-	-	-
32	Avdd	+5V power supply	-	5.1	5.1	5.1
33	AVREF	+5V power supply	-	5.1	5.1	5.1
34	AVGND	GND	-	0	0	0
35	AVSS	GND	-	0	0	0
36	SD	FM/AM signal level meter	I	0.2	0	0.3
37	INIT A	Model setting A by voltage level	I	0	0	0
38	INIT B	Model setting B by voltage level	I	0	0	0
39	A IN	Spectrum analyzer data	I	0	0	0
40	Vss	GND	-	0	0	0
41	SYS ID1	Hub connection device detection ID 1	I	0	0	0
42	SYS ID2	Hub connection device detection ID 2	I	5.2	5.2	5.2
43	HUB EVENT	Bluetooth incoming detection	I	5.2	5.2	5.2
44	HUB CNT	Request of hub connection check	O	0	0	0
45	CD SW1	Disc detection switch 1	I	0	0	0

Pin No.	Port	Part Name & Description	I/O	FM	AM	CD
46	CD SW2	Disc detection switch 2	I	0	0	0
47	MOD0	Operating mode control 0 from Flash writer	I	5.1	5.1	5.1
48	MOD1	Operating mode control 1: pulled up to H	-	5.1	5.1	5.1
49	MOD2	Operating mode control 2 from Flash writer	I	0	0	0
50	H STANDBY	Standby control from external	I	5	5	5
51	DCDC CONT(NC)	Not connected	-	-	-	-
52	FP MOTOR1	Open/Close of Front panel 1	O	4.9	5	4.9
53	FP MOTOR2	Open/Close of Front panel 2	O	4.9	5	4.9
54	V CONT1	Reference voltage control for motor driver	O	0	0	5
55	REMO 1	Remote control data	I	5	5	5
56	SA CLK	Spectrum analyzer clock	O	5	5	4.9
57	EXT MUTE	Pulled up to H	I	5.3	5.2	5.2
58	AMP CONT	Power control for external Amplifier	O	4.9	5	4.9
59	BZ OUT	Buzzer signal	O	0	0	0
60	OEL VCONT	Not connected	-	-	-	-
61	WOW MODE1	SRS WOW mode 1	O	0	0	0
62	WOW MODE2	SRS WOW mode 2	O	0	0	0
63	WOW MODE3	SRS WOW mode 3	O	0	0	0
64	DIM1	Dimmer control 1	O	0	0	0
65	DIM2	Dimmer control 2	O	0	0	0
66	MAIN CNT2	Power control for Hub	O	5	5	5
67	SRC KEY	SOURCE key detection	I	5	4.9	5
68	PANEL IN	Panel attachment detection	I	-	-	-
69	NC	Not connected	-	-	-	-
70	NC	Not connected	-	-	-	-
71	NC	Not connected	-	-	-	-
72	MAIN CONT	Main power control	O	4.9	4.9	4.9
73	INV CONT	Dimmer power control	O	5	5	5
74	AF MUTE	Audio mute	O	5	5	5
75	RESET	Reset	I	5	5	5
76	FOCUS ELV	Focus elevation for SRS WOW	O	-	-	-
77	X1A	Oscillator clock	O	2.1	2.1	2.1
78	X0A	Oscillator clock	I	1.6	1.6	1.6
79	Vss	GND	-	0	0	0
80	X1	Crystal oscillator clock	I	2	2	2
81	X2	Crystal oscillator clock	O	2.5	2.5	2.5
82	Vdd	+5V power supply	-	5	5	5
83	P00	Pulled down to L	-	0	0	0
84	P01	Pulled up to H	-	5.1	5	5.1
85	OFFSET DET	Audio clipping level detection from Power amp.	I	0	0	0
86	STBY	Standby for Power amp.	O	5	5	5
87	MUTE	Mute for Power amp.	O	0	0	0
88	ILL SENS	Pulled up to H	-	5	5	5
89	NC	Not connected	-	-	-	-
90	EP DO	EPROM comuni. data input	O/I	0	0	0
91	NC	Not connected	-	-	-	-
92	NC	Not connected	-	-	-	-
93	SUB RESET	Reset for display CPU	O	4.9	5	4.9
94	DISPM CONT	5V power control for Display	O	0	0	0
95	NC	Not connected	-	-	-	-
96	NC	Not connected	-	-	-	-
97	NC	Not connected	-	-	-	-
98	S LED	Security LED drive	O	0	0	5
99	ANT CONT	Power control for antenna motor	O	5.2	5.2	5.2
100	NC	Not connected	-	-	-	-

10.2. Display Block

IC900 C2CBJH000133

Pin No.	Port	Part Name & Description	I/O	(V)
1	A18	A18 in Address bus	O	1.5
2	A19	A19 in Address bus	O	1.7
3	A20	A20 in Address bus	O	1.3
4	A21	Not connected	-	-
5	A22	Not connected	-	-
6	A23	Not connected	-	-
7	A0	A0 in address bus for LCD	O	1.3
8	A1	A1 in Address bus	O	0.3
9	VSS	GND	-	-
10	A2	A2 in Address bus	O	0.4
11	A3	A3 in Address bus	O	0.4
12	A4	A4 in Address bus	O	0.4
13	A5	A5 in Address bus	O	1.3
14	A6	A6 in Address bus	O	0.4
15	A7	A7 in Address bus	O	0
16	A8	A8 in Address bus	O	1.3
17	A9	A9 in Address bus	O	0
18	A10	A10 in Address bus	O	0
19	A11	A11 in Address bus	O	1.5
20	A12	A12 in Address bus	O	1.7
21	VCC	+3.3V Power supply	-	3.5
22	A13	A13 in Address bus	O	1.4
23	A14	A14 in Address bus	O	1.5
24	A15	A15 in Address bus	O	1.7
25	SIN0	Serial data from Main CPU or Flash writer	I	0.5
26	SOT0	Serial data to Main CPU or Flash writer	O	1.8
27	SCK0	Serial clock for Flash writer	I	3.5
28	NC	Not connected	-	-
29	FRASH RESET	Reset for Flash memory	O	3.5
30	KS1	Key scan 1	O	0
31	NC	Not connected	-	-
32	NC	Not connected	-	-
33	AVCC	+3.3V Power supply	-	3.5
34	AVRH	+3.3V Power supply	-	3.5
35	AVSS/ AVRL	GND	-	-
36	TH DETECT	Pulled up to H	-	1.3
37	KS2	Key scan 2	O	0

Pin No.	Port	Part Name & Description	I/O	(V)
38	KS3	Key scan 3	O	0
39	NC	Not connected	-	-
40	VSS	GND	-	-
41	KI5	Key-in return 5	I	0
42	KI4	Key-in return 4	I	0
43	KI3	Key-in return 3	I	0
44	KI2	Key-in return 2	I	0
45	NC	Pulled down to L	-	0
46	NC	Pulled up to H	-	3.5
47	MD0	Operating mode control 0 from Flash writer	I	3.5
48	MD1	Operating mode control 1: pulled up to H	-	3.5
49	MD2	Operating mode control 2 from Flash writer	I	0
50	NC	Not connected	-	-
51	ROTARY 1	Volume-up detection from Rotary encoder	I	2.5
52	ROTARY 2	Volume-down detection from Rotary encoder	I	2.5
53	NC	Not connected	-	-
54	NC	Not connected	-	-
55	NC	Not connected	-	-
56	NC	Not connected	-	-
57	NC	Not connected	-	-
58	FLASH CE	Chip enable for Flash memory	O	3.4
59	LCD CS	LCD chip select	O	3.4
60	NC	Not connected	-	-
61	NC	Not connected	-	-
62	NC	Not connected	-	-
63	NC	Not connected	-	-
64	VLCD CONT	Power control for LCD	O	3.4
65	NC	Not connected	-	-
66	NC	Not connected	-	-
67	NC	Not connected	-	-
68	NC	Not connected	-	-
69	OE/RD	Output enable for Flash memory or Read strobe for LCD	O	3.4
70	LCD WR	Write strobe for LCD	O	3.4
71	FLASH WE	Write enable for Flash memory	O	3.4
72	NC	Not connected	-	-
73	LCD RESET	Reset for LCD	O	3.4

Pin No.	Port	Part Name & Description	I/O	(V)
74	FLASH RY/BY	Ready/Busy from Flash memory	I	3.4
75	RST	Reset	I	3.5
76	NC	Not connected	-	-
77	NC	Not connected	-	-
78	X0A	GND	-	-
79	VSS	GND	-	-
80	X0	System clock (12.5MHz)	I	1.3
81	X1	System clock (12.5MHz)	O	1.5
82	VCC	+3.3V Power supply	-	3.5
83	D0	D0 in Data bus	I/O	0.9
84	D1	D0 in Data bus	I/O	0.9
85	D2	D0 in Data bus	I/O	1.1
86	D3	D0 in Data bus	I/O	0.9
87	D4	D0 in Data bus	I/O	1.0
88	D5	D0 in Data bus	I/O	1.1
89	D6	D0 in Data bus	I/O	1.1
90	D7	D0 in Data bus	I/O	0.9
91	D8	D0 in Data bus	I/O	0.9
92	D9	D0 in Data bus	I/O	0.9
93	D10	D0 in Data bus	I/O	0.9
94	D11	D0 in Data bus	I/O	0.5
95	D12	D0 in Data bus	I/O	0.9
96	D13	D0 in Data bus	I/O	0.7
97	D14	D0 in Data bus	I/O	0.7
98	D15	D0 in Data bus	I/O	0.7
99	A16	A16 in Address bus	O	3.0
100	A17	A17 in Address bus	O	1.7

10.3. CD Servo Block

IC101 : YESAM337

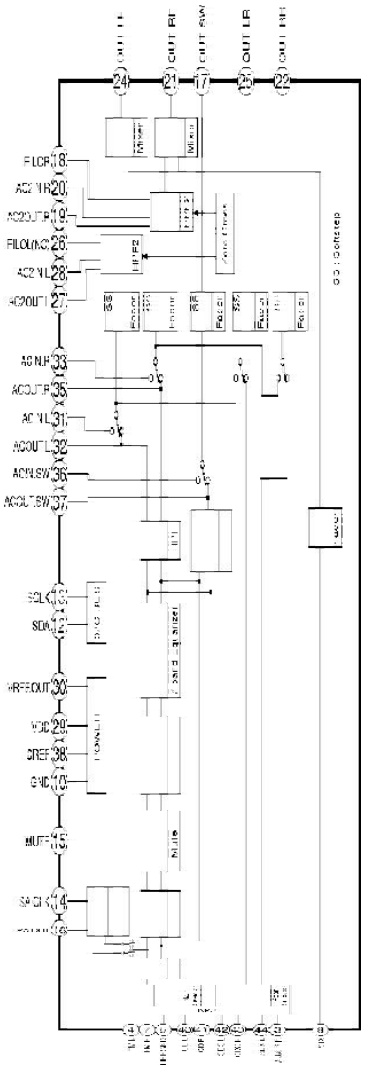
Pin No.	Port	Descriptions	I/O	(V)
1	AVSS	GND	-	0
2	LD-MT	Loading Motor drive IC control 1	O	3.2
3	CNT	Loading Motor drive IC control 2	O	3.2
4	-	Not Connected	-	-
5	LD-EJ	Loading Motor drive IC control (Eject)	O	0
6	AMUTE	Mute signal output	O	0
7	-	Not Connected	-	-
8	SBSY	DSP IC SBSY	O	0
9	-	Not Connected	-	-
10	-	Not Connected	-	-
11	TXD0	Serial data output	O	0
12	RXD0	Serial data input	I	0
13	CLK0	Clock input	I	2.9
14	TXD1	Serial data output	O	3.2
15	RXD1	Serial data input	I	0
16	CLK1	Clock input	I	0
17	AMD	-	-	3.2
18	DVCC	Power supply (3.3V)	-	3.2
19	X2	Crystal oscillator	-	1.3
20	DVSS	GND	-	0
21	X1	Crystal oscillator	-	1.3
22	AMI	-	-	3.2
23	RESET	Reset	I	3
24	-	Not Connected	-	-
25	-	Not Connected	-	-
26	NMI	-	-	3.2
27	-	Not Connected	-	-
28	STBY	DSP IC STBY	O	0
29	RST	DSP IC RST	O	3.2
30	CCE	DSP IC CCE	O	2.6
31	BUCK	DSP IC CK	O	2.8
32	BUS3	DSP IC BUS3	O	2.8
33	BUS2	DSP IC BUS2	O	2.8
34	BUS1	DSP IC BUS1	O	2.8
35	BUS0	DSP IC BUS0	O	2.9
36	RESET SW	Mechanics deck REST SW input	I	3.2
37	SW1	Mechanics deck SW1 input	I	0
38	SW2	Mechanics deck SW2 input	I	0
39	CONT (P13)	DSP IC power control 1	O	3.2
40	-	Not Connected	-	-

Pin No.	Port	Descriptions	I/O	(V)
41	-	Not Connected	-	-
42	-	Not Connected	-	-
43	CONT (P17)	DSP IC power control 2	O	3.2
44	PIO0	DSP IC PIO0	O	0
45	ZDET	LOAD detect	I	0
46-49	-	Not Connected	-	-
50	-	-	-	3.2
51-58	-	Not Connected	-	-
59	CDFS	Serial frame sink signal input (CD ON)	I	2.3
60	P50/ AN0	Reference voltage	I	0.3
61	P51/ AN0	Loading motor detect	I	2.1
62	P52/ AN2	-	-	0
63	P53/ AN3	-	-	0
64	AVCC	Power supply (3.3V)	-	3.2

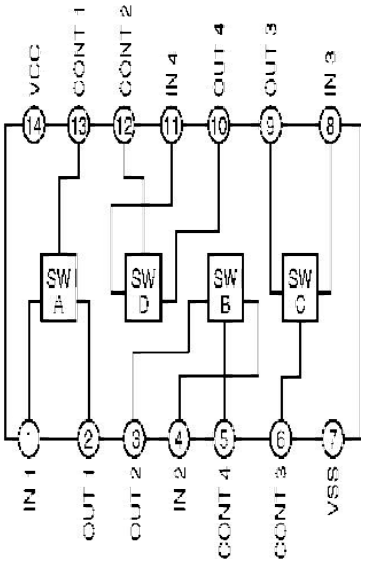
11. IC BLOCK DIAGRAM

11.1. Main Block

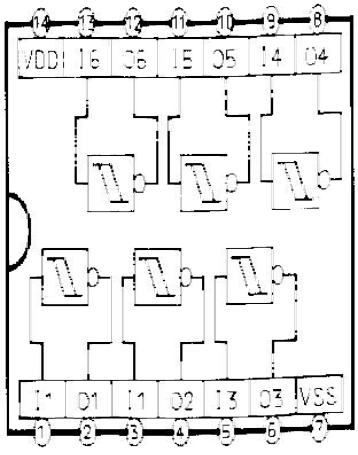
IC201 : C1BB00000796



IC231 : C0JBZS000003

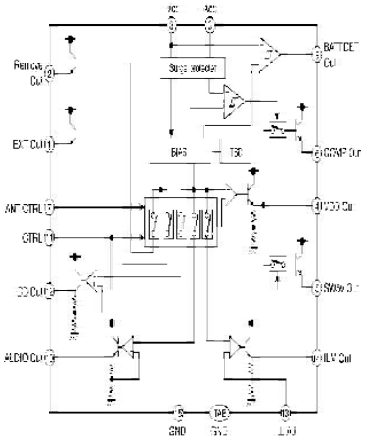


IC670 : YEAMC14584BE

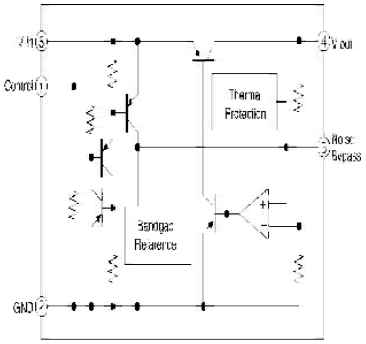


IC730 : C0DAEKG00002

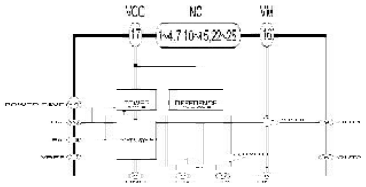
IC701 : C0DAZHF00004



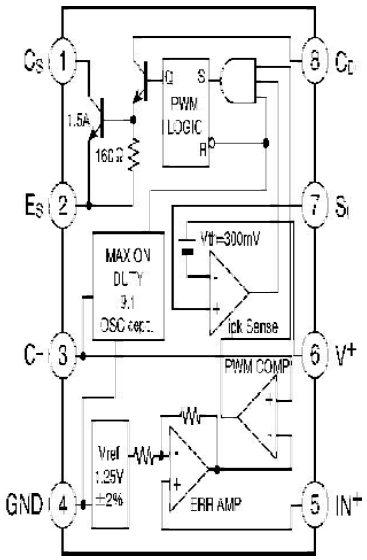
IC755 : C0DBZGD00040



IC760 : C0GBG0000032

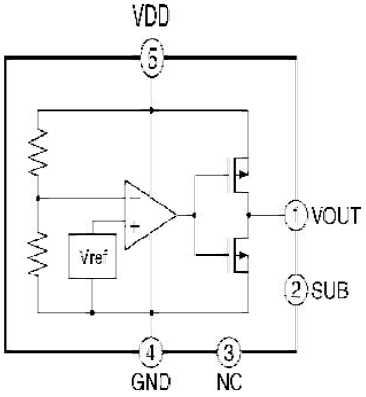


IC770 : C0DBAHG00020



11.2. Display Block

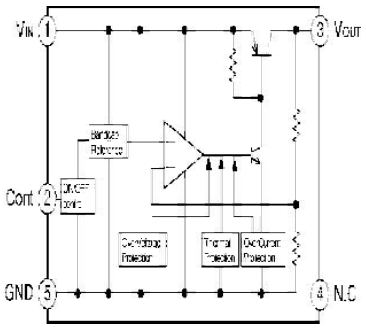
IC902 : C0EBF0000374



11.3. CD Servo Block

IC401, IC403 : YESAM341

IC402 : YESAM342



12. REPLACEMENT PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[E3108] Main/Sub Block			
IC's AND TRANSISTORs			
IC201	C1BB00000796	IC	
IC221	C1BB00001131	IC	
IC231	C0JBZS000003	IC	
IC251	C0ABBA000221	IC	
IC252	C0ABCA000121	IC	
IC271	C1ZAZ0001450	IC	
IC401	C1BB00001045	IC	
IC601	C2CBKG000035	IC	
IC630	C0JBAA000372	IC	
IC650	C0JBAA000372	IC	
IC670	YEAMC14584BE	IC	
IC701	C0DAZHF00004	IC	
IC702	C0EBZ0000035	IC	
IC730	C0DAEKG00002	IC	
IC752	C0CBCBG00012	IC	
IC755	C0DBZGD00040	IC	
IC760	C0GBG0000032	IC	
IC770	C0DBAHG00020	IC	
IC790	C0CBCYG00004	IC	
PA51	C5BA00000123	Electronic Tuner	
Q55	B1GDGFEH0001	Transistor	
Q56	B1AAEC000002	Transistor	
Q220	B1GBCFNN0004	Transistor	
Q235	B1GBHBEA0004	Transistor	
Q241	B1GBHBEA0004	Transistor	
Q251	B1GBHBEA0004	Transistor	
Q252	B1GBHBEA0004	Transistor	
Q320	B1GBCFNN0004	Transistor	
Q335	B1GBHBEA0004	Transistor	
Q341	B1GBHBEA0004	Transistor	
Q351	B1GBHBEA0004	Transistor	
Q352	B1GBHBEA0004	Transistor	
Q353	B1GBHBEA0004	Transistor	
Q354	B1GDCFJJ0002	Transistor	
Q371	B1GBCFNN0004	Transistor	
Q372	YEANC114YKX	Transistor	
Q376	B1GBCFNN0004	Transistor	
Q411	B1CBGF000005	Transistor	
Q630	B1GBCFNN0004	Transistor	
Q633	B1GDCFJJ0002	Transistor	
Q650	YEANC114YKX	Transistor	
Q651	YEANC114YKX	Transistor	
Q652	YEANC114YKX	Transistor	
Q680	B1GDGFEH0001	Transistor	
Q681	B1GDCFJJ0002	Transistor	
Q701	B1BACF000026	Transistor	
Q730	B1GBCFNN0004	Transistor	
Q731	B1GBCFNN0004	Transistor	
Q760	B1GBCFNN0004	Transistor	
Q771	B1ABCF000187	Transistor	
Q791	B1GBNCEJ0003	Transistor	
Q793	YEANC114YKX	Transistor	
DIODEs			

Ref. No.	Part No.	Part Name & Description	Remarks
D201	B0JCME000012	Diode	
D202	B0JCME000012	Diode	
D203	B0JCME000012	Diode	
D204	B0JCME000012	Diode	
D251	B0JCMC000004	Diode	
D301	B0JCME000012	Diode	
D302	B0JCME000012	Diode	
D303	B0JCME000012	Diode	
D304	B0JCME000012	Diode	
D601	B0JCMC000004	Diode	
D630	B3AAB0000143	Diode	
D631	B0BC5R600003	Diode	
D632	MA152WATX	Diode	
D635	B0BC5R600003	Diode	
D636	B0BC5R600003	Diode	
D637	B0BC5R600003	Diode	
D638	B0BC5R600003	Diode	
D639	B0BC5R600003	Diode	
D670	B0JCMC000004	Diode	
D680	MA3X152A0L	Diode	
D701	YEADDAM3MA47	Diode	
D702	MA736TX	Diode	
D703	B0BC5R7A0062	Diode	
D704	B0JCMC000004	Diode	
D705	YEADSR1544TL	Diode	
D706	YEADSR1544TL	Diode	
D707	YEADRB051L40	Diode	
D708	MA736TX	Diode	
D710	B0JCMC000004	Diode	
D715	MA3X152A0L	Diode	
D716	MA721TX	Diode	
D751	YEADSR1544TL	Diode	
D752	YEADSR1544TL	Diode	
D760	B0BC5R000020	Diode	
D761	B0BC3R0A0058	Diode	
D770	B0JCMC000004	Diode	
D771	B0JCQD000002	Diode	
D772	B0BC013A0063	Diode	
CAPACITORs			
C52	YECUS1H470JC	Ceramic, 47PF 50WV	
C53	F1J1H103A513	Ceramic, 0.01 F 50WV	
C54	F2A1A221A449	Electrolytic, 220 F 10WV	
C55	F1J1H103A513	Ceramic, 0.01 F 50WV	
C56	F3F1E105A001	Tantalum, 1 F 25WV	
C57	F2A1A101A450	Electrolytic, 100 F 10WV	
C61	YECUS1H183KX	Ceramic, 0.018 F 50WV	
C62	YECUS1H183KX	Ceramic, 0.018 F 50WV	
C65	F1J1H1020024	Ceramic, 1000PF 50WV	
C206	F2A1C100A502	Electrolytic, 10 F 16WV	
C213	F1J1A2250004	Ceramic, 2.2 F 10WV	
C215	F1J1A2250004	Ceramic, 2.2 F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C217	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C220	F1J1C225A138	Ceramic, 2.2 μ F 16WV	
C237	F1J1C225A138	Ceramic, 2.2 μ F 16WV	
C242	F1J1C225A138	Ceramic, 2.2 μ F 16WV	
C251	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C252	YECUS1H470JM	Ceramic, 47PF 50WV	
C253	F1J1C225A138	Ceramic, 2.2 μ F 16WV	
C254	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C255	YECUS1H470JM	Ceramic, 47PF 50WV	
C256	F1J1C225A138	Ceramic, 2.2 μ F 16WV	
C271	F1J1H472A675	Ceramic, 4700PF 50WV	
C272	F1J1H472A675	Ceramic, 4700PF 50WV	
C274	F2A1C470A630	Electrolytic, 47 μ F 16WV	
C275	F1J1C1050013	Ceramic, 1 μ F 16WV	
C278	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C279	F2A1C4720027	Electrolytic, 4700 F 16WV	
C281	F1K1C1060001	Ceramic, 10 μ F 16WV	
C282	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C283	F1K1C1060001	Ceramic, 10 μ F 16WV	
C296	F1K1C4740009	Ceramic, 0.47 μ F 16WV	
C297	F1K1C4740009	Ceramic, 0.47 μ F 16WV	
C306	F2A1C100A502	Electrolytic, 10 μ F 16WV	
C313	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C315	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C317	YECUS1C334KX	Ceramic, 0.33 " F 16WV	
C320	F1J1C225A138	Ceramic, 2.2 F 16WV	
C321	F1J1C225A138	Ceramic, 2.2 F 16WV	
C323	F2A1C100A502	Electrolytic, 10 F 16WV	
C324	F2A1H2R2A634	Electrolytic, 2.2 F 50WV	
C325	F2A1H2R2A634	Electrolytic, 2.2 F 50WV	
C326	F1J1A2250004	Ceramic, 2.2 F 10WV	
C327	F2A1A221A449	Electrolytic, 220 F 10WV	
C328	F1J1H103A513	Ceramic, 0.01 F 50WV	
C330	F1J1A2250004	Ceramic, 2.2 F 10WV	
C331	F1J1C225A138	Ceramic, 2.2 F 16WV	
C332	YECUZ1C104KX	Ceramic, 0.1 F 16WV	
C333	F1H1E103A011	Ceramic, 0.01 F 25WV	
C334	YECUZ1C104KX	Ceramic, 0.1 F 16WV	
C335	YECUZ1C104KX	Ceramic, 0.1 F 16WV	
C336	YECUZ1C104KX	Ceramic, 0.1 F 16WV	
C337	YECUZ1C104KX	Ceramic, 0.1 F 16WV	
C338	YECUZ1C104KX	Ceramic, 0.1 F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C339	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C340	F1J1C1050013	Ceramic, 1 μF 16WV	
C341	F1K1C1060001	Ceramic, 10 μF 16WV	
C342	YECUZ1C333KX	Ceramic, 0.033 μF 16WV	
C343	F1H1E103A011	Ceramic, 0.01 μF 25WV	
C344	YECUS1C334KX	Ceramic, 0.33 μF 16WV	
C346	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C347	YECUZ1H221JC	Ceramic, 220PF 50WV	
C351	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C352	YECUS1H470JM	Ceramic, 47PF 50WV	
C353	F1J1C225A138	Ceramic, 2.2 μF 16WV	
C354	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C355	YECUS1H470JM	Ceramic, 47PF 50WV	
C356	F1J1C225A138	Ceramic, 2.2 μF 16WV	
C361	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C362	YECUS1H470JM	Ceramic, 47PF 50WV	
C363	ECEA1EKS3R3I	Electrolytic, 3.3 μF 25WV	
C364	F2A1C100A502	Electrolytic, 10 μF 16WV	
C365	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C366	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C367	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C368	F2A1C470A630	Electrolytic, 47 μF 16WV	
C371	F1J1H472A675	Ceramic, 4700PF 50WV	
C372	F1J1H472A675	Ceramic, 4700PF 50WV	
C374	F2A1H2R20044	Electrolytic, 2.2 μF 50WV	
C375	F2A1C100A502	Electrolytic, 10 F 16WV	
C378	YECUS1E104ZF	Ceramic, 0.1 F 25WV	
C381	F1K1C1060001	Ceramic, 10 F 16WV	
C382	YECUZ1C104KX	Ceramic, 0.1 F 16WV	
C383	F1K1C1060001	Ceramic, 10 F 16WV	
C384	F2A1A101A450	Electrolytic, 100 F 10WV	
C385	F1K1C1060001	Ceramic, 10 F 16WV	
C386	F1K1C1060001	Ceramic, 10 F 16WV	
C387	F1K1C1060001	Ceramic, 10 F 16WV	
C388	F1K1C1060001	Ceramic, 10 F 16WV	
C389	F1K1C1060001	Ceramic, 10 F 16WV	
C396	F1K1C4740009	Ceramic, 0.47 F 16WV	
C397	F1K1C4740009	Ceramic, 0.47 F 16WV	
C401	F1J1H120A034	Ceramic, 12PF 50WV	
C402	F1J1H120A034	Ceramic, 12PF 50WV	
C403	F2A0J101A500	Electrolytic, 100 F 6.3WV	
C404	F1J1H103A513	Ceramic, 0.01 F 50WV	
C405	F1H1H101A231	Ceramic, 100PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C411	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C412	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C413	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C414	F2A1A221A449	Electrolytic, 220 μ F 10WV	
C601	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C602	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C603	F2A0J3310051	Electrolytic, 330 μ F 6.3WV	
C604	ECA0JM471I	Electrolytic, 470 μ F 6.3WV	
C605	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C606	F1H1H2200008	Ceramic, 22PF 50WV	
C607	YECUS1H220JC	Ceramic, 22PF 50WV	
C608	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C609	F1J1A106A023	Ceramic, 10 μ F 10WV	
C610	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C612	F1H1H120A231	Ceramic, 12PF 50WV	
C613	F1H1H100A226	Ceramic, 10PF 50WV	
C631	F2A1H4R7A632	Electrolytic, 4.7 μ F 50WV	
C632	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C633	F2A1C470A630	Electrolytic, 47 μ F 16WV	
C634	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C635	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C650	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C670	F2A1C100A502	Electrolytic, 10 μ F 16WV	
C671	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C680	F2A1H2R2A634	Electrolytic, 2.2 μ F 50WV	
C701	YECUS1C154KX	Ceramic, 0.15 F 16WV	
C702	F2A1C1020069	Electrolytic, 1000 F 16WV	
C704	F2A0J3310051	Electrolytic, 330 F 6.3WV	
C705	F1H1E103A011	Ceramic, 0.01 F 25WV	
C707	F2A1C1020069	Electrolytic, 1000 F 16WV	
C708	F2A1H1R00095	Electrolytic, 1 F 50WV	
C713	YECUS1C474KX	Ceramic, 0.47 F 16WV	
C715	YECUS1E104ZF	Ceramic, 0.1 F 25WV	
C716	YECUS1C104KX	Ceramic, 0.1 F 16WV	
C717	YECUS1C104KX	Ceramic, 0.1 F 16WV	
C718	YECUS1E104ZF	Ceramic, 0.1 F 25WV	
C719	EEAFC1A820H	Electrolytic, 82 F 10WV	
C720	YECUS1C104KX	Ceramic, 0.1 F 16WV	
C721	YECUS1C104KX	Ceramic, 0.1 F 16WV	
C730	F1K1E334A022	Ceramic, 0.33 F 25WV	
C731	YECUX1C334KX	Ceramic, 0.33 F 16WV	
C732	EEAFC1C560H	Electrolytic, 56 F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C752	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C753	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C754	EEAFC0J560H	Electrolytic, 56 μ F 6.3WV	
C755	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C756	F1J1C1050013	Ceramic, 1 μ F 16WV	
C757	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C758	F2A0J470A558	Electrolytic, 47 μ F 6.3WV	
C760	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C761	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C762	F2A1C470A630	Electrolytic, 47 μ F 16WV	
C763	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C771	F2A1C1010089	Electrolytic, 100 μ F 16WV	
C772	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C773	F1J1H271A025	Ceramic, 270PF 50WV	
C774	EEEFK1E101P	Electrolytic, 100 μ F 25WV	
C775	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C776	F2A1E101A575	Electrolytic, 100 μ F 25WV	
C777	F1J1H103A513	Ceramic, 0.01 μ F 50WV	
C778	F2A1C100A502	Electrolytic, 10 μ F 16WV	
C791	EEAFC1C560H	Electrolytic, 56 μ F 16WV	
C792	YECUX1C334KX	Ceramic, 0.33 μ F 16WV	
C793	F1J1E334A009	Ceramic, 0.33 μ F 25WV	
C796	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C797	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
RESISTORs			
J401	ERJ6GEY0R00V	Chip, 0 1/10W	
J403	ERJ8GEY0R00V	Chip, 0 1/8W	
J404	ERJ6GEY0R00V	Chip, 0 1/10W	
J474	ERJ8GX0R00V	Chip, 0 1/8W	
J475	ERJ8GX0R00V	Chip, 0 1/8W	
J476	ERJ8GX0R00V	Chip, 0 1/8W	
J477	ERJ8GX0R00V	Chip, 0 1/8W	
J478	ERJ8GX0R00V	Chip, 0 1/8W	
J479	ERJ8GX0R00V	Chip, 0 1/8W	
J480	ERJ8GX0R00V	Chip, 0 1/8W	
J481	ERJ8GX0R00V	Chip, 0 1/8W	
J482	ERJ8GX0R00V	Chip, 0 1/8W	
J483	ERJ8GX0R00V	Chip, 0 1/8W	
J501	ERJ8GEY0R00V	Chip, 0 1/8W	
J502	ERJ8GEY0R00V	Chip, 0 1/8W	
J503	ERJ8GEY0R00V	Chip, 0 1/8W	
J504	ERJ8GEY0R00V	Chip, 0 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J505	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J506	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J507	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J508	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J509	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J510	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J511	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J512	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J513	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J514	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J515	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J516	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J523	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J524	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J525	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J526	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J529	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J531	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J534	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J536	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J537	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J538	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J539	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J540	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J542	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J544	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J545	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J546	ERJ8GX0R00V	Chip, 0 1/8W	
J550	ERJ8GX0R00V	Chip, 0 1/8W	
J551	ERJ8GX0R00V	Chip, 0 1/8W	
J552	ERJ8GX0R00V	Chip, 0 1/8W	
J553	ERJ8GX0R00V	Chip, 0 1/8W	
J554	ERJ8GX0R00V	Chip, 0 1/8W	
J555	ERJ8GEY0R00V	Chip, 0 1/8W	
J556	ERJ8GX0R00V	Chip, 0 1/8W	
J557	ERJ8GX0R00V	Chip, 0 1/8W	
J560	ERJ8GEY0R00V	Chip, 0 1/8W	
J561	ERJ8GEY0R00V	Chip, 0 1/8W	
J563	ERJ8GX0R00V	Chip, 0 1/8W	
J565	ERJ8GX0R00V	Chip, 0 1/8W	
J570	ERJ8GX0R00V	Chip, 0 1/8W	
J571	ERJ8GX0R00V	Chip, 0 1/8W	
J573	ERJ8GX0R00V	Chip, 0 1/8W	
J579	ERJ8GEY0R00V	Chip, 0 1/8W	
J580	ERJ8GX0R00V	Chip, 0 1/8W	
J582	ERJ8GEY0R00V	Chip, 0 1/8W	
J583	ERJ8GEY0R00V	Chip, 0 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J590	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J591	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J592	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R50	ERJ6GEYJ5R6V	Chip, 5.6 Ω 1/10W	
R54	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R55	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R56	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R59	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R65	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R202	ERJ6GEYJ152	Chip, 1.5k Ω 1/10W	
R203	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R213	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R214	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R215	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R216	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R217	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R220	ERJ3GEYJ750V	Chip, 75 Ω 1/16W	
R221	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R235	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R237	ERJ3GEYJ271V	Chip, 270 Ω 1/16W	
R241	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R242	ERJ3GEYJ271V	Chip, 270 Ω 1/16W	
R251	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R252	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R253	ERJ3GEYJ433V	Chip, 43k Ω 1/16W	
R254	ERJ3GEYJ560V	Chip, 56 Ω 1/16W	
R255	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R256	ERJ3GEYJ104V	Chip, 100k 1/16W	
R257	ERJ3GEYJ393V	Chip, 39k 1/16W	
R258	ERJ3GEYJ433V	Chip, 43k 1/16W	
R259	ERJ3GEYJ560V	Chip, 56 1/16W	
R260	ERJ6GEYJ104	Chip, 100k 1/10W	
R275	ERJ8GEYJ223V	Chip, 22k 1/8W	
R281	ERJ3GEYJ104V	Chip, 100k 1/16W	
R282	ERJ3GEYJ104V	Chip, 100k 1/16W	
R283	ERJ3GEYJ103V	Chip, 10k 1/16W	
R284	ERJ3GEYJ103V	Chip, 10k 1/16W	
R285	ERJ3GEYJ272V	Chip, 2.7k 1/16W	
R286	ERJ3GEYJ102V	Chip, 1k 1/16W	
R291	ERJ3GEYJ104V	Chip, 100k 1/16W	
R296	ERJ6GEYJ271	Chip, 270 1/10W	
R297	ERJ6GEYJ271	Chip, 270 1/10W	
R298	ERJ3GEYJ222V	Chip, 2.2k 1/16W	
R302	ERJ3GEYJ152V	Chip, 1.5k 1/16W	
R303	ERJ3GEYJ103V	Chip, 10k 1/16W	
R313	ERJ6GEYJ562	Chip, 5.6k 1/10W	
R314	ERJ6GEYJ103	Chip, 10k 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R315	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R316	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R317	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R320	ERJ3GEYJ750V	Chip, 75 Ω 1/16W	
R321	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R323	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R324	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R325	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R326	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R327	ERJ6GEYJ823	Chip, 82k Ω 1/10W	
R330	ERJ6GEYJ221V	Chip, 220 Ω 1/10W	
R335	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R336	ERJ3GEYJ271V	Chip, 270 Ω 1/16W	
R341	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R342	ERJ3GEYJ271V	Chip, 270 Ω 1/16W	
R351	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R352	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R353	ERJ3GEYJ433V	Chip, 43k Ω 1/16W	
R354	ERJ3GEYJ560V	Chip, 56 Ω 1/16W	
R355	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R356	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R357	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R358	ERJ3GEYJ433V	Chip, 43k Ω 1/16W	
R359	ERJ3GEYJ560V	Chip, 56 Ω 1/16W	
R360	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R361	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R362	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R363	ERJ6GEYJ393	Chip, 39k 1/10W	
R364	ERJ6GEYJ560	Chip, 56 1/10W	
R365	ERJ6GEYJ104	Chip, 100k 1/10W	
R366	ERJ6GEYJ103	Chip, 10k 1/10W	
R367	ERJ6GEYJ103	Chip, 10k 1/10W	
R368	ERJ3GEYJ563V	Chip, 56k 1/16W	
R369	ERJ3GEYJ133V	Chip, 13k 1/16W	
R370	ERJ3GEYJ363V	Chip, 36k 1/16W	
R371	ERJ3GEYJ822V	Chip, 8.2k 1/16W	
R372	ERJ3GEYJ103V	Chip, 10k 1/16W	
R373	ERJ6GEYJ183	Chip, 18k 1/10W	
R374	ERJ3GEYJ164V	Chip, 160k 1/16W	
R375	ERJ6GEYJ562	Chip, 5.6k 1/10W	
R376	ERJ3GEYJ103V	Chip, 10k 1/16W	
R377	ERJ3GEYJ104V	Chip, 100k 1/16W	
R378	ERJ3GEY0R00V	Chip, 0 1/16W	
R379	ERJ3GEYJ472V	Chip, 4.7k 1/16W	
R381	ERJ3GEYJ104V	Chip, 100k 1/16W	
R382	ERJ3GEYJ104V	Chip, 100k 1/16W	
R383	ERJ3GEYJ103V	Chip, 10k 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R384	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R385	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R386	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R387	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R388	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R389	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R390	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R391	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R392	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R393	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R396	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R397	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R398	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R401	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R402	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R403	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R404	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R405	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R406	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R407	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R408	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R409	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R410	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R411	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R413	ERJ6GEYJ182	Chip, 1.8k Ω 1/10W	
R414	ERJ8GEYJ561V	Chip, 560 Ω 1/8W	
R417	ERJ3GEYJ100V	Chip, 10 Ω 1/16W	
R600	ERJ8GX0R00V	Chip, 0 1/8W	
R601	ERJ3GEYJ432V	Chip, 4.3k 1/16W	
R602	ERJ3GEYJ432V	Chip, 4.3k 1/16W	
R603	ERJ6GEYJ103	Chip, 10k 1/10W	
R604	ERJ6GEYJ103	Chip, 10k 1/10W	
R605	ERJ3GEYJ102V	Chip, 1k 1/16W	
R607	ERJ3GEYJ333V	Chip, 33k 1/16W	
R608	ERJ3GEYJ822V	Chip, 8.2k 1/16W	
R609	ERJ3GEYJ473V	Chip, 47k 1/16W	
R611	ERJ3GEYJ153V	Chip, 15k 1/16W	
R612	ERJ3GEYJ683V	Chip, 68k 1/16W	
R613	ERJ3GEYJ103V	Chip, 10k 1/16W	
R614	ERJ3GEYJ103V	Chip, 10k 1/16W	
R615	ERJ6GEYJ103	Chip, 10k 1/10W	
R616	ERJ3GEYJ684V	Chip, 680k 1/16W	
R617	ERJ3GEYJ103V	Chip, 10k 1/16W	
R618	ERJ3GEYJ223V	Chip, 22k 1/16W	
R619	ERJ3GEYJ473V	Chip, 47k 1/16W	
R620	ERJ3GEYJ103V	Chip, 10k 1/16W	
R621	ERJ3GEYJ472V	Chip, 4.7k 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R622	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R624	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R625	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R626	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R627	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R628	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R629	ERJ8GEYJ104V	Chip, 100k Ω 1/8W	
R631	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R632	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R634	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R638	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R639	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R640	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R641	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R646	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R653	ERJ3GEYJ512V	Chip, 5.1k Ω 1/16W	
R654	ERJ6GEYJ512V	Chip, 5.1k Ω 1/10W	
R655	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R656	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R657	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R658	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R659	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R660	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R661	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R662	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R663	ERJ6GEYJ512V	Chip, 5.1k Ω 1/10W	
R664	ERJ6GEYJ512V	Chip, 5.1k Ω 1/10W	
R670	ERJ3GEYJ104V	Chip, 100k 1/16W	
R671	ERJ3GEYJ104V	Chip, 100k 1/16W	
R673	ERJ3GEYJ104V	Chip, 100k 1/16W	
R674	ERJ3GEYJ272V	Chip, 2.7k 1/16W	
R675	ERJ6GEYJ272	Chip, 2.7k 1/10W	
R676	ERJ3GEYJ472V	Chip, 4.7k 1/16W	
R677	ERJ6GEYJ561	Chip, 560 1/10W	
R678	ERJ3GEYJ104V	Chip, 100k 1/16W	
R680	ERJ6GEYJ271	Chip, 270 1/10W	
R681	ERJ6GEYJ562	Chip, 5.6k 1/10W	
R682	ERJ3GEYJ473V	Chip, 47k 1/16W	
R683	ERJ3GEYJ471V	Chip, 470 1/16W	
R684	ERJ6GEYJ561	Chip, 560 1/10W	
R685	ERJ3GEYJ561V	Chip, 560 1/16W	
R686	ERJ3GEYJ561V	Chip, 560 1/16W	
R687	ERJ6GEYJ561	Chip, 560 1/10W	
R688	ERJ6GEYJ561	Chip, 560 1/10W	
R689	ERJ3GEYJ561V	Chip, 560 1/16W	
R690	ERJ3GEYJ561V	Chip, 560 1/16W	
R701	ERJ6GEYJ102	Chip, 1k 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R702	ERJ3GEYJ224V	Chip, 220k Ω 1/16W	
R703	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R704	ERJ8GEYJ4R7V	Chip, 4.7 Ω 1/8W	
R705	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R715	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R716	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R717	ERJ3GEYJ433V	Chip, 43k Ω 1/16W	
R719	ERJ3GEYJ684V	Chip, 680k Ω 1/16W	
R722	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R730	ERJ6ENF6802V	Chip, 68k Ω 1/10W	
R731	ERJ6ENF2203V	Chip, 220k Ω 1/10W	
R732	ERJ6ENF1802V	Chip, 18k Ω 1/10W	
R733	ERJ6ENF1303V	Chip, 130k Ω 1/10W	
R734	ERJ6ENF2201V	Chip, 2.2k Ω 1/10W	
R755	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R760	ERJ6GEYJ152	Chip, 1.5k Ω 1/10W	
R761	ERDS1FJ3R9	Carbon, 3.9 Ω 1/2W	
R771	D0GFR47JA016	Metal Film, 0.47 Ω 1/2W	
R772	ERJ3GEYJ181V	Chip, 180 Ω 1/16W	
R773	ERJ6ENF7501V	Chip, 7.5k Ω 1/10W	
R774	ERJ6ENF6340V	Chip, 634 Ω 1/10W	
R776	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R778	ERJ8GEYJ1R0V	Chip, 1 Ω 1/8W	
R779	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R780	ERJ8GEYJ470V	Chip, 47 Ω 1/8W	
R790	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R791	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R795	ERJ6ENF1002	Chip, 10k 1/10W	
R796	ERJ6ENF2703V	Chip, 270k 1/10W	
R797	ERJ6ENF2001V	Chip, 2k 1/10W	
CONNECTORs			
CN201	K2KF29Z00040	Plug, 4P	
CN253	K2KF29Z00036	Plug, 4P	
CN301	K2KF29Z00039	Plug, 4P	
CN351	K2KF29Z00033	Plug, 4P	
CN361	YEAE0108TUCP	Connector, 8P	
CN371	YEAE0108TUCX	Connector, 8P	
CN601	K1MN16BA0111	Connector, 16P	
CN651	K1KA18A00074	Connector, 18P	
CN670	K1PQ07A00005	Connector, 7P	
CN680	K1AA113B0002	Connector, 13P	
CN701	K1FA116B0028	Connector, 16P	
CN760	YEAE5339802	Connector, 2P	
COILs			
L50	G1C150K00011	Coil	
L52	G1CR56JA0036	Coil	
L53	G1C101JA0036	Coil	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
L401	G1C101JA0036	Coil	
L601	G1C330JA0036	Coil	
L602	G1C101JA0036	Coil	
L603	G1C330JA0036	Coil	
L630	G0C330K00004	RF Coil	
L701	YELTBL01R1AT	Coil	
L702	G0A151J00006	Coil	
L770	G0C101KA0120	RF Coil	
L771	G1C331MA0226	Coil	
L772	G0C101KA0120	RF Coil	
SWITCHes			
SW601	K0L1BA000099	Switch	
SW602	K0L1BA000104	Switch	
CRYSTALs			
XL401	H0D720400006	Crystal Oscillator	
XL601	H0D368400015	Crystal Oscillator	
XL602	H0J327200161	Crystal Oscillator	
NETWORK RESISTORs			
R606	EXBV8V102JV	Network Resistor	
FILTERs			
CF51	J0E8405A0002	NOISE FILTER	
Z50	J0LM00000001	Noise Filter	
THERMISTORs			
PT701	YERT7AR4R7MT	Thermistor	
[E9783] Display Block			
IC's AND TRANSISTORs			
IC900	C2CBJH000133	IC	
IC901	C3FBMD000236	IC	
IC902	C0EBF0000374	IC	
IC903	B3MBZ0000006	IC	
Q902	B1GDCFNN0002	Transistor	
Q903	B1GBCFNN0004	Transistor	
Q913	YEANSSTA06T	Transistor	
Q914	YEANSSTA06T	Transistor	
DIODEs			
D901	B0BC5R600003	Diode	
D903	B0BC4R000006	Diode	
D906	B0BC01100039	Diode	
D907	B3AEB0000083	Diode	
D909	MA152WKTX	Diode	
D910	B0BC4R000006	Diode	
D911	B0BC4R000006	Diode	

[redacted]	[redacted]	[redacted]	

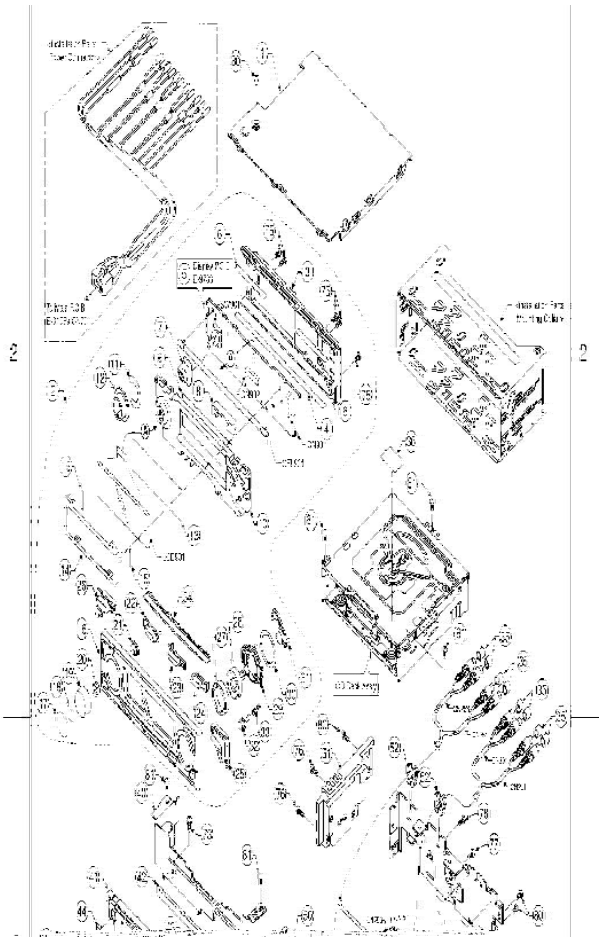
Ref. No.	Part No.	Part Name & Description	Remarks
D912	B0BC4R000006	Diode	
D913	B0BC4R000006	Diode	
D914	B0BC4R000006	Diode	
D917	B0BC4R000006	Diode	
D918	B0BC4R000006	Diode	
D919	B0BC4R000006	Diode	
D920	B0BC4R000006	Diode	
CAPACITORs			
C902	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C903	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C904	YECSW1C106MS	Tantalum, 10 μ F 16WV	
C907	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C908	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C911	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C912	YECSW1C106MS	Tantalum, 10 μ F 16WV	
C913	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C914	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C915	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C916	F1J1H102A672	Ceramic, 1000PF 50WV	
C919	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C925	F2H1C220A020	Ceramic, 22PF 16WV	
C926	F1J1H562A675	Ceramic, 5600PF 50WV	
C927	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C928	F0F2A223A005	Plastic Film, 0.022 F 100WV	
C929	F1L3F1200001	Ceramic, 12PF 3.16kWV	
C931	YECUV1C225KX	Ceramic, 2.2 F 16WV	
C932	YECUV1C225KX	Ceramic, 2.2 F 16WV	
C933	YECUV1C225KX	Ceramic, 2.2 F 16WV	
C934	YECUV1C225KX	Ceramic, 2.2 F 16WV	
C935	YECUV1C225KX	Ceramic, 2.2 F 16WV	
C936	YECUV1C225KX	Ceramic, 2.2 F 16WV	
C937	YECUV1C225KX	Ceramic, 2.2 F 16WV	
C938	YECUZ1C104KX	Ceramic, 0.1 F 16WV	
C939	YECUV1C225KX	Ceramic, 2.2 F 16WV	
C940	YECUV1C225KX	Ceramic, 2.2 F 16WV	
C941	YECUV1C225KX	Ceramic, 2.2 F 16WV	
C942	YECUV1C225KX	Ceramic, 2.2 F 16WV	
C973	YECUZ1H103KX	Ceramic, 0.01 F 50WV	
C974	YECUZ1H103KX	Ceramic, 0.01 F 50WV	
RESISTORs			
R902	ERJ3GEYJ103V	Chip, 10k 1/16W	
R903	ERJ3GEYJ103V	Chip, 10k 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R904	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R905	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R911	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R912	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R913	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R914	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R916	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R917	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R918	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R919	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R923	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R924	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R925	ERJ3GEYJ302V	Chip, 3k Ω 1/16W	
R928	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R929	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	
R932	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R933	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R934	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R935	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R936	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R937	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R950	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R961	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R962	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R963	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R969	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R970	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R971	ERJ3GEYJ103V	Chip, 10k 1/16W	
CONNECTORs			
CN901	K1NZ16D00001	Connector, 16P	
CN902	K1MN30BA0109	Connector, 30P	
COILs			
L907	G1C101M00014	Coil	
SWITCHes			
SW901	K9AA024A0013	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
CRYSTALs			
XL900	H2C122500003	Ceramic Oscillator	
LCD			
LCD901	L5F000000010	LCD	
TRANSFORMERs			
L908	G5C1AAA00001	Transformer	
DISPLAY TUBEs			
CFL901	A2CA00000044	Display Tube	
Accessories			
PRINTINGs			
	YEFM285775	Operating Instructions	
	YEFM262699	System Upgrade Guidebook	
	YEFM294143	Installation Instructions	
INSTALLATION PARTS			
	EUR7641010	Remote Control Unit (includes a battery)	
	CR2025/1F	Lithium Battery	
	YGAJ021011	Power Connector	
	YEFX0217222	Mounting Collar	
	YEFC051012	Trim Plate	
	YEP0FZ5701	Installation Kit (Lock Cancel Plate, Mounting Bolt, Tapping Screw, Hex Nut)	
	YEFG04019	Rear Support Strap	
	YEFA134150	Removable Face Plate Case	
Mechanical Parts			
MISCELLANEOUS			
ANT51	YEAA10090	Antenna Receptacle	
AP2	YGAP2985	FPC	
AT1-3	K4ZZ01000048	Terminal	
CN1	K1NZ16H00002	Connector, 16P	
HP1	YEAT03324	Terminal	
HP2	K4ZZ01000044	Terminal	
1	YEFA031898A	Upper Cover	
2	YEP0FX13411	Removable Face Plate Unit	RTL
3	YEFA134114	Back Cover, Detachable	
4	YEFV023506	Optical Shade	
5	YGP0PT9783Y9	Display PCB w/Component	RTL
6	YEFV023484	Optical Shade	
7	YEFK061405	Remote Cover	

Ref. No.	Part No.	Part Name & Description	Remarks
8	YEFK061404	Shading Cover	
9	YEFX9995853	Reflection Sheet	
10	YEFX0013224	Transparent Plate	
11	YEFV023430	Color Screen	
12	YEFX0013223	Indicator, Vol	
13	YEFV023486	Diffusion Sheet, LCD901	
14	YEFX0217429	Case, LCD901	
15	YEFX9995490	Spacer	
16	YESFC02232	Detachable Face Ass'y	
17	YEFE071003	Knob, Vol Top	
18	YEFM991724	Double Face Tape	
19	YEFE071004	Knob, Vol	
20	YEFX0052572	Spring, Knob Vol	
21	YEFJ013030	Remote Panel	
22	YEFE1310556	Button, SQ	
23	YEFE1310554	Button, SRC/PWR	
24	YEFE1310558	Button, MENU	
25	YEFE1310557	Button, TILT/DISP	
26	YEFE1310555	Button, MUTE/D-M	
27	YEFE1310560	Button, TUNE/TRACK, P-SET/DISK, FOLDER	
28	YEFE1310561	Button, TUNE/TRACK, P-SET/DISK, FOLDER	
29	YEFE1310562	Button, TUNE/TRACK, P-SET/DISK, FOLDER	
30	YEFV023485	Optical Shade	
31	YEFE1310559	Button, Pause/Play, BAND, SET, APM	
32	YEFE1310563	Button, Release	
33	YEFX0053029	Spring	
34	YEFX0013226	Indicator, Arc	
35	YEFR041000	Cap	
36	YEFM031552	Laser Seal	
40	YEFA07669	Front Plate	
41	YEFC028113	Rear Cover, Escutcheon	
42	YEFS02431	Pad	
43	YEFX0012368	Transparent Plate, Escutcheon	
44	YEFS012112	Pad, Escutcheon	
45	YEFC028112	Front Cover, Escutcheon	
46	YEFA131827	Flexible PCB Case	
47	YEP9FX352	Drive, Mechanical Assy	
48	YGP0PT3108U9	Main/Sub PCB W/Component	RTL
49	YEFX0216269	Bracket, IC730	
50	YEFX0213945B	Bracket, IC271	
51	YEFF011230	Heat Sink	
52	YEFX007685	Clamper	
53	YEFA081009	Rear Plate	
54	YEFV012641	Insulator	
55	YEFX0217229	Bracket, IC701	
56	YEFV034018	Magnetic Shield	
70	YEJS06404A	Binding Screw	
73	YEJT03333A	Tapping Screw	
74	XQN2+C4FJK	Machin Screw	
75	XQN2+BG8FJK	Machin Screw	
76	XSB3+14FJ	Binding Screw	
77	XSB3+6FJ	Binding Screw	
78	XSB26+5FJ	Binding Screw	
80	XTB3+6FFJ	Tapping Screw	
81	XTB26+6FFJ	Tapping Screw	

13. EXPLODED VIEW (Unit)



14. CD PLAYER PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by mark have

special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-35] CD Servo Block			
IC's and TRANSISTORs			
IC101	YESAM337	IC	
IC201	YESAM343	IC	
IC301	YESAM339	IC	
IC401	YESAM341	IC	
IC402	YESAM342	IC	
IC403	YESAM341	IC	
Q201	YESAN086	Transistor	
Q202	B1GDCFJJ0008	Transistor	
Q203	YESAN116	Transistor	
Q204	YESAN116	Transistor	
CAPACITORS			
C101	YESCC439	Ceramic, 0.1 F 25WV	
C102	YESCC439	Ceramic, 0.1 F 25WV	
C103	YESCC439	Ceramic, 0.1 F 25WV	
C104	YESCC441	Ceramic, 1000pF 50WV	
C105	YESCC441	Ceramic, 1000pF 50WV	
C151	YESCC388	Electrolytic, 100uF 16WV	
C201	YESCC448	Ceramic, 0.033 F 25WV	
C202	YESCC448	Ceramic, 0.033 F 25WV	
C203	YESCC439	Ceramic, 0.1 F 25WV	
C204	YESCC439	Ceramic, 0.1 F 25WV	
C205	YESCC439	Ceramic, 0.1 F 25WV	
C206	YESCC439	Ceramic, 0.1 F 25WV	
C207	YESCC439	Ceramic, 0.1 F 25WV	
C208	YESCC439	Ceramic, 0.1 F 25WV	
C209	YESCC446	Ceramic, 2200pF 50WV	
C210	YESCC439	Ceramic, 0.1 F 25WV	
C211	YESCC439	Ceramic, 0.1 F 25WV	
C212	YESCC439	Ceramic, 0.1 F 25WV	
C213	YESCC439	Ceramic, 0.1 F 25WV	
C214	YESCC435	Ceramic, 47pF 50WV	
C215	YESCC444	Ceramic, 0.015 F 50WV	
C216	YESCC442	Ceramic, 0.01 F 50WV	
C218	YESCC442	Ceramic, 0.01 F 50WV	
C219	YESCC525	Ceramic, 0.047 F 50WV	
C220	YESCC439	Ceramic, 0.1 F 25WV	
C221	YESCC442	Ceramic, 0.01 F 50WV	
C222	YESCC439	Ceramic, 0.1 F 25WV	
C223	YESCC444	Ceramic, 0.015 F 50WV	
C224	YESCC439	Ceramic, 0.1 F 25WV	
C225	YESCC520	Ceramic, 68pF 50WV	
C226	YESCC439	Ceramic, 0.1 F 25WV	
C227	YESCC439	Ceramic, 0.1 F 25WV	
C228	YESCC439	Ceramic, 0.1 F 25WV	
C229	YESCC439	Ceramic, 0.1 F 25WV	
C230	YESCC442	Ceramic, 0.01 F 50WV	
C231	YESCC442	Ceramic, 0.01 F 50WV	
C232	YESCC388	Electrolytic, 100uF 16WV	
C233	YESCC388	Electrolytic, 100uF 16WV	
C234	YESCC439	Ceramic, 0.1 F 25WV	
C235	YESCC442	Ceramic, 0.01 F 50WV	
C236	YESCC439	Ceramic, 0.1 F 25WV	
C237	YESCC432	Ceramic, 220pF 50WV	
C238	YESCC432	Ceramic, 220pF 50WV	
C241	YESCC521	Ceramic, 680pF 50WV	
C242	YESCC521	Ceramic, 680pF 50WV	
C251	YESCC459	Electrolytic, 47 F 6.3WV	
C252	YESCC388	Electrolytic, 100uF 16WV	
C253	YESCC458	Electrolytic, 100 F 4WV	
C256	YESCC388	Electrolytic, 100uF 16WV	
C257	YESCC388	Electrolytic, 100uF 16WV	
C258	YESCC391	Electrolytic, 100uF 16WV	
C260	YESCC439	Ceramic, 0.1 F 25WV	
C261	YESCC439	Ceramic, 0.1 F 25WV	
C263	YESCC439	Ceramic, 0.1 F 25WV	
C264	YESCC524	Ceramic, 0.033 F 50WV	
C301	YESCC519	Ceramic, 470pF 50WV	
C302	YESCC519	Ceramic, 470pF 50WV	
C303	YESCC450	Ceramic, 0.047 F 25WV	
C305	YESCC450	Ceramic, 0.047 F 25WV	
C306	YESCC439	Ceramic, 0.1 F 25WV	
C351	YESCC390	Electrolytic, 220uF 10WV	
C352	YESCC390	Electrolytic, 220uF 10WV	

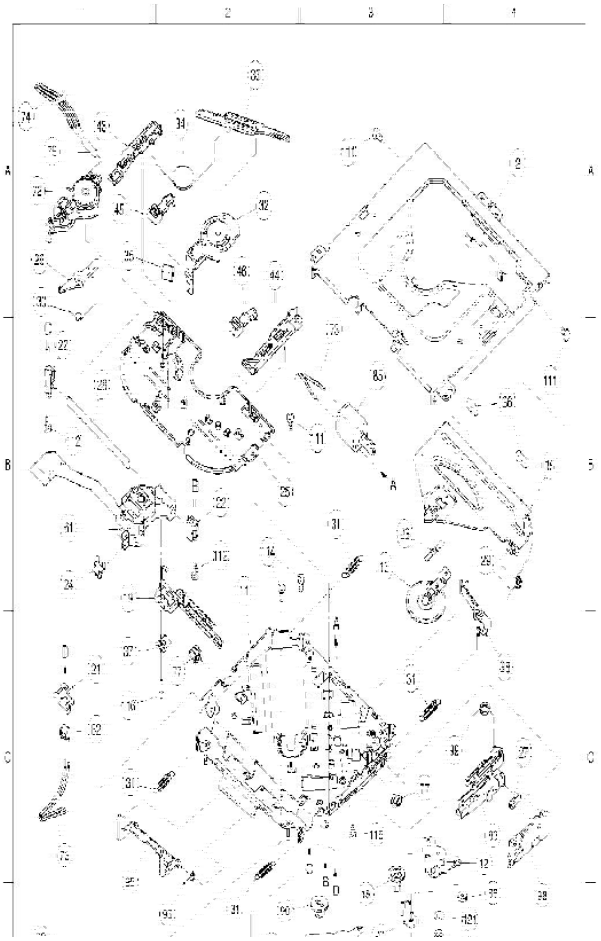
Ref. No.	Part No.	Part Name & Description	Remarks
C401	YESCC452	Ceramic, 1 μF 16WV	
C403	YESCC453	Ceramic, 0.47 μF 25WV	
C407	YESCC452	Ceramic, 1 μF 16WV	
C408	YESCC453	Ceramic, 0.47 μF 25WV	
C451	YESCC459	Electrolytic, 47 μF 6.3WV	
C452	YESCC459	Electrolytic, 47 μF 6.3WV	
C454	YESCC459	Electrolytic, 47 μF 6.3WV	
C455	YESCC553	Electrolytic, 47uF 10WV	
RESISTORs			
L101	YESRG241	Chip, 0 Ω 1/8W	
L301	YESRG241	Chip, 0 Ω 1/8W	
L401	YESRG241	Chip, 0 Ω 1/8W	
L403	YESRG241	Chip, 0 Ω 1/8W	
R101	YESRG233	Chip, 47k Ω 1/10W	
R102	YESRG233	Chip, 47k Ω 1/10W	
R103	YESRG233	Chip, 47k Ω 1/10W	
R104	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R109	YESRG221	Chip, 100 Ω 1/10W	
R110	YESRG223	Chip, 10k Ω 1/10W	
R111	YESRG221	Chip, 100 Ω 1/10W	
R113	YESRG221	Chip, 100 Ω 1/10W	
R115	YESRG223	Chip, 10k Ω 1/10W	
R116	YESRG232	Chip, 4.7k Ω 1/10W	
R117	YESRG232	Chip, 4.7k Ω 1/10W	
R118	YESRG232	Chip, 4.7k Ω 1/10W	
R119	YESRG232	Chip, 4.7k 1/10W	
R120	YESRG232	Chip, 4.7k 1/10W	
R121	YESRG232	Chip, 4.7k 1/10W	
R122	YESRG232	Chip, 4.7k 1/10W	
R124	YESRG223	Chip, 10k 1/10W	
R125	YESRG230	Chip, 3.3k 1/10W	
R126	YESRG230	Chip, 3.3k 1/10W	
R128	YESRG228	Chip, 22k 1/10W	
R129	YESRG227	Chip, 2.2k 1/10W	
R130	YESRG221	Chip, 100 1/10W	
R131	YESRG221	Chip, 100 1/10W	
R132	YESRG221	Chip, 100 1/10W	
R134	YESRG223	Chip, 10k 1/10W	
R135	YESRG221	Chip, 100 1/10W	
R136	YESRG226	Chip, 220 1/10W	
R139	YESRG223	Chip, 10k 1/10W	
R142	ERJ3GEY0R00V	Chip, 0 1/16W	
R201	YESRG224	Chip, 100k 1/10W	
R202	YESRG355	Chip, 1M 1/10W	
R203	ERJ3GEY0R00V	Chip, 0 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R204	ERJ3GEY0R00V	Chip, 0 1/16W	
R205	ERJ3GEY0R00V	Chip, 0 1/16W	
R206	ERJ3GEY0R00V	Chip, 0 1/16W	
R207	YESRG224	Chip, 100k 1/10W	
R208	YESRG224	Chip, 100k 1/10W	
R209	YESRG226	Chip, 220 1/10W	
R210	YESRG224	Chip, 100k 1/10W	
R211	YESRG224	Chip, 100k 1/10W	
R212	YESRG224	Chip, 100k 1/10W	
R213	YESRG224	Chip, 100k 1/10W	
R214	YESRG224	Chip, 100k 1/10W	
R215	YESRG224	Chip, 100k 1/10W	
R217	YESRG237	Chip, 5.6k 1/10W	
R218	YESRG357	Chip, 150k 1/10W	
R219	YESRG233	Chip, 47k 1/10W	
R221	ERJ3GEY0R00V	Chip, 0 1/16W	
R222	YESRG356	Chip, 15k 1/10W	
R223	ERJ3GEY0R00V	Chip, 0 1/16W	
R224	YESRG228	Chip, 22k 1/10W	
R225	ERJ3GEY0R00V	Chip, 0 1/16W	
R226	ERJ3GEY0R00V	Chip, 0 1/16W	
R229	ERJ3GEY0R00V	Chip, 0 1/16W	
R231	YESRG234	Chip, 4.7 1/10W	
R232	YESRG223	Chip, 10k 1/10W	
R233	YESRG228	Chip, 22k 1/10W	
R241	YESRG229	Chip, 330 1/10W	
R242	YESRG233	Chip, 47k 1/10W	
R243	YESRG229	Chip, 330 1/10W	
R244	YESRG233	Chip, 47k 1/10W	
R245	YESRG224	Chip, 100k 1/10W	
R246	ERJ3GEY0R00V	Chip, 0 1/16W	
R247	ERJ3GEY0R00V	Chip, 0 1/16W	
R248	ERJ3GEY0R00V	Chip, 0 1/16W	
R249	ERJ3GEY0R00V	Chip, 0 1/16W	
R250	YESRG229	Chip, 330 1/10W	
R253	YESRG222	Chip, 1k 1/10W	
R254	YESRG222	Chip, 1k 1/10W	
R301	YESRG230	Chip, 3.3k 1/10W	
R302	YESRG227	Chip, 2.2k 1/10W	
R303	ERJ3GEY0R00V	Chip, 0 1/16W	
R304	YESRG230	Chip, 3.3k 1/10W	
R305	YESRG223	Chip, 10k 1/10W	
R306	ERJ3GEY0R00V	Chip, 0 1/16W	
R307	YESRG230	Chip, 3.3k 1/10W	
R308	YESRG227	Chip, 2.2k 1/10W	
R309	ERJ3GEY0R00V	Chip, 0 1/16W	
R310	YESRG230	Chip, 3.3k 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R311	YESRG227	Chip, 2.2k Ω 1/10W	
R312	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R314	YESRG356	Chip, 15k Ω 1/10W	
R324	YESRG223	Chip, 10k Ω 1/10W	
R325	YESRG223	Chip, 10k Ω 1/10W	
R326	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
CONNECTORs			
CN101	YESAE409	Connector, 18P	
CN102	YESAE350	Connector, 16P	
COILs			
L201	YESLQ036	Inductor	
L202	YESLQ036	Inductor	
L402	YESLQ011	Inductor	
CRYSTALs			
X101	YESXL033	Crystal	
X201	YESXL018	Crystal	
MECAHNICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFA01075	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01047	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	

Ref. No.	Part No.	Part Name & Description	Remarks
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
61	YESSZ1099WM	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP469	Servo PC Board w/component	RTL
72	YESFX046176	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	WIRE TUBE SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01042	Loading/Feed Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YESFW05023	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw, 2*4	
114	YERJS01002	Camera Screw, 1.7*1.8	
115	YERJS01003	Camera Screw, 2*2	
116	YERJS01004	Camera Tapping Screw, 1.7*5	
118	YESJS01148	Screw, 2*4	
121	YERJW01001	P Washer, 3.5*8*0.3	
122	YERJW01002	HL Washer, 1.85*5*0.13	
123	YERJW01003	Lumilar Washer, 3.1*6*0.1	
124	YEJE01028	E-Ring S 1.5	
125	YERJW01005	P Washer, 2.1*4*0.13	

15. EXPLODED VIEW (CD Deck)



16. WIRING DIAGRAM

16.1. Display Block

16.2. Main/Sub Block (Top View)

16.3. Main/Sub Block (Bottom View)

16.4. CD Servo Block (Top View)

16.5. CD Servo Block (Bottom View)

17. SCHEMATIC DIAGRAM-1

17.1. Sub Block

18. SCHEMATIC DIAGRAM-2

18.1. Main-1 Block

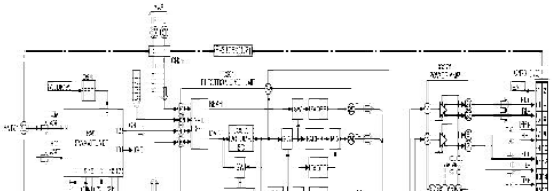
18.2. Main-2 Block

18.3. Display Block

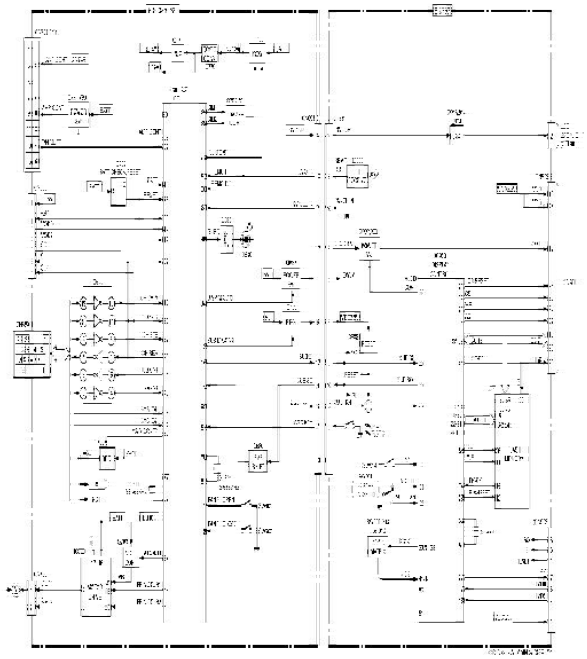
18.4. CD Servo Block

19. BLOCK DIAGRAM

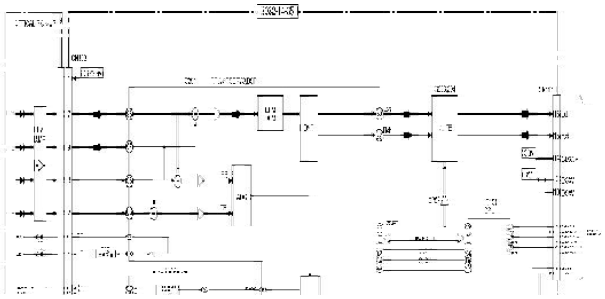
19.1. Main-1 Block



19.2. Main-2/Display Block



19.3. CD Servo Block



20. SCHEMATIC DIAGRAM for Printing with A4 Size

20.1. Main-1 Block (Left Side)

20.2. Main-1 Block (Right Side)

20.3. Main-2 Block (Left Side)

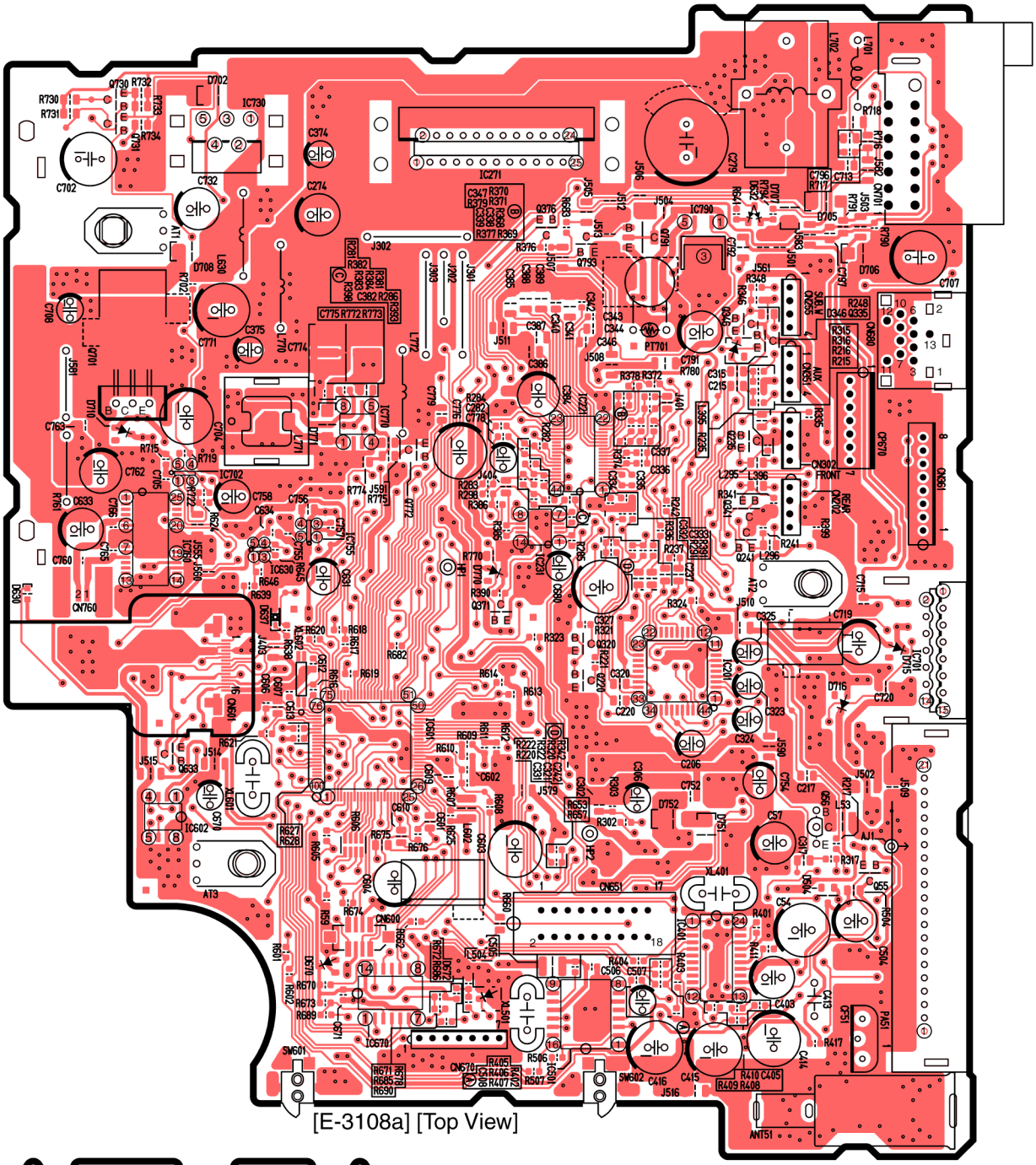
20.4. Main-2 Block (Right Side)

20.5. Display Block (Left Side)

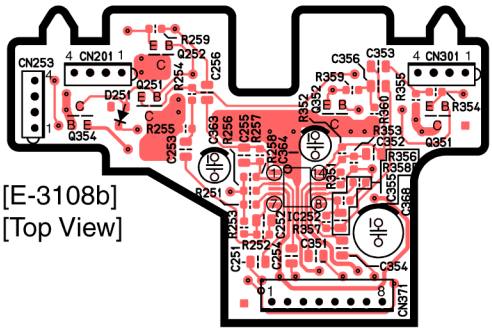
20.6. Display Block (Right Side)

20.7. CD Servo Block (Left Side)

20.8. CD Servo Block (Right Side)

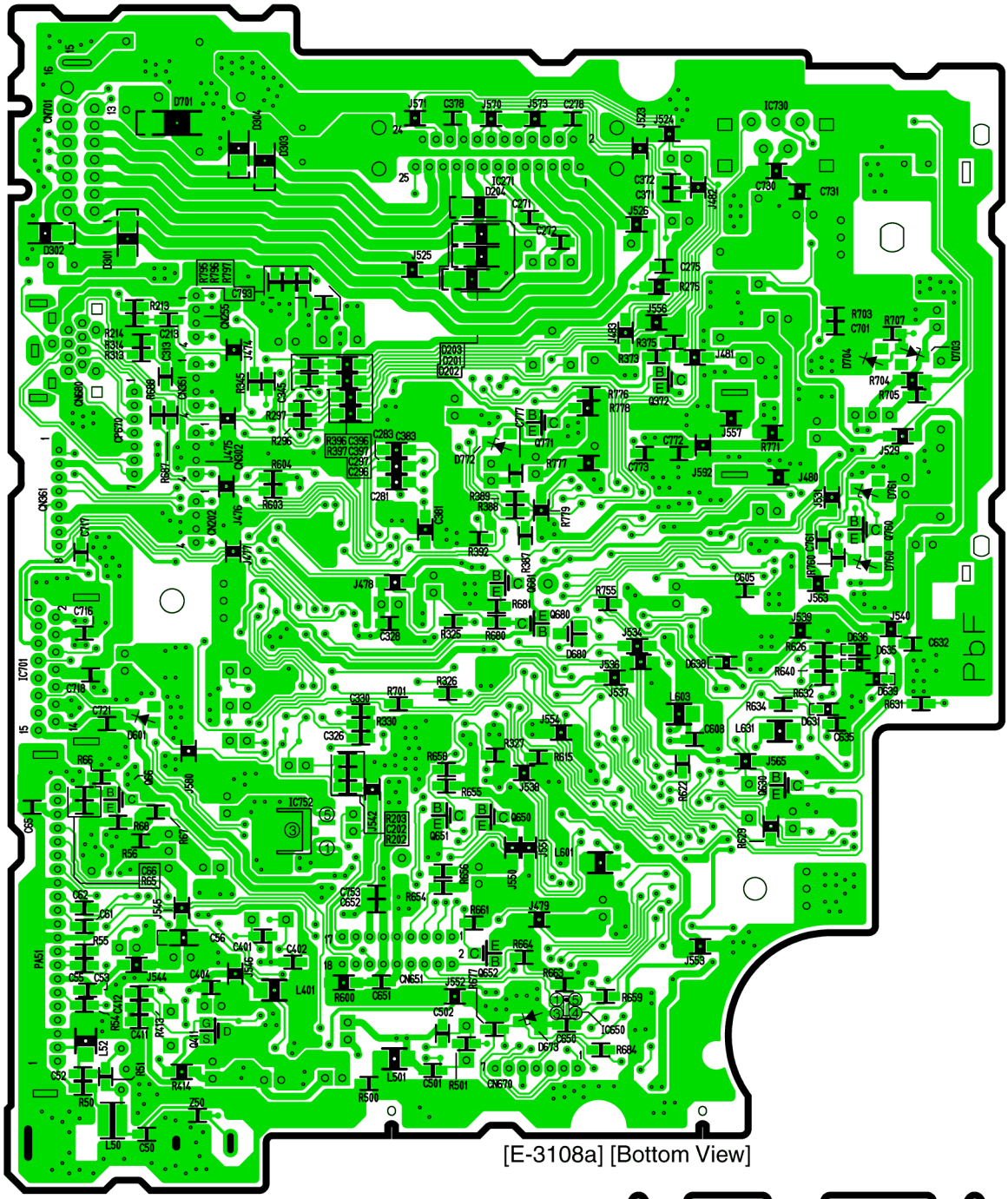


[E-3108a] [Top View]

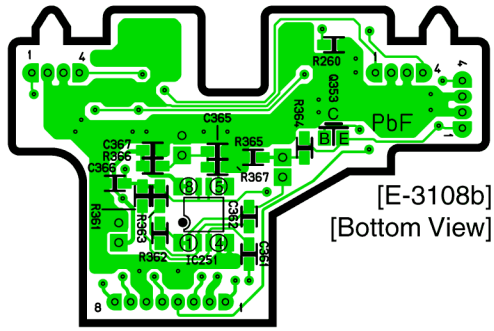


[E-3108b]
[Top View]

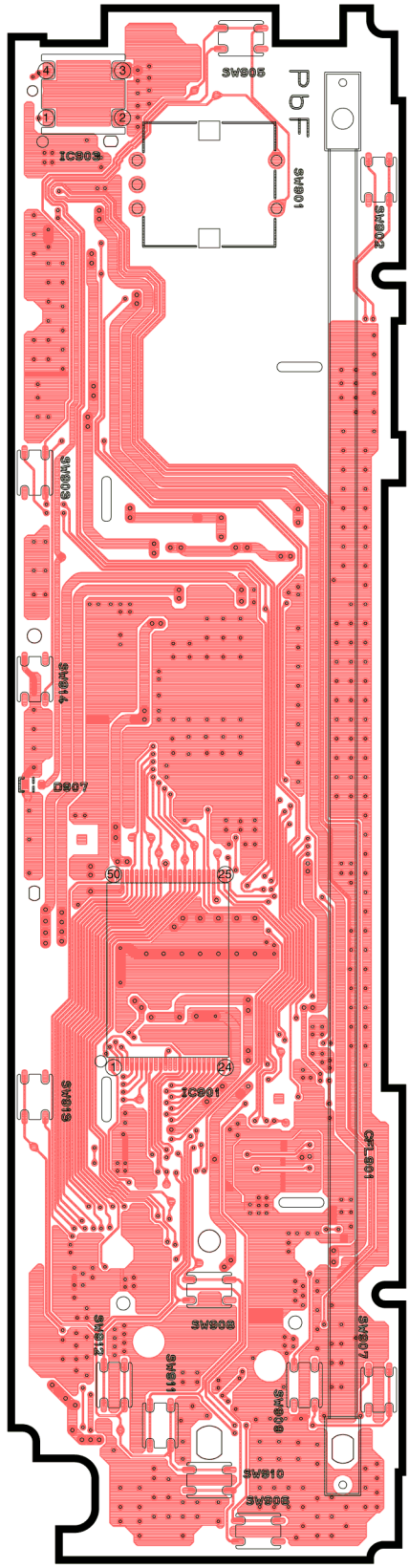
CQ-C7303W MAIN,SUB P.C.B



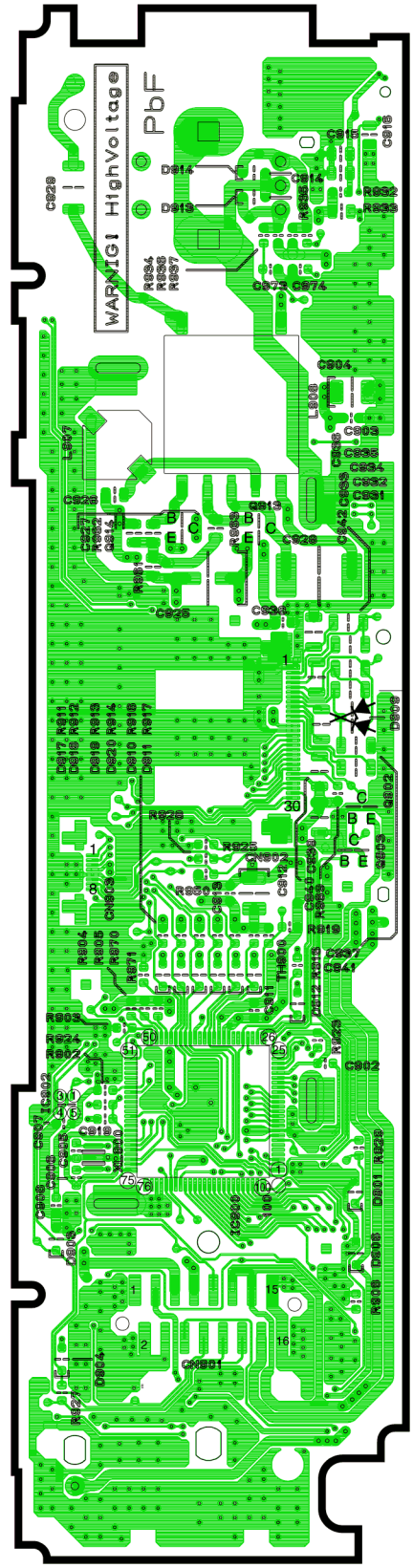
[E-3108a] [Bottom View]



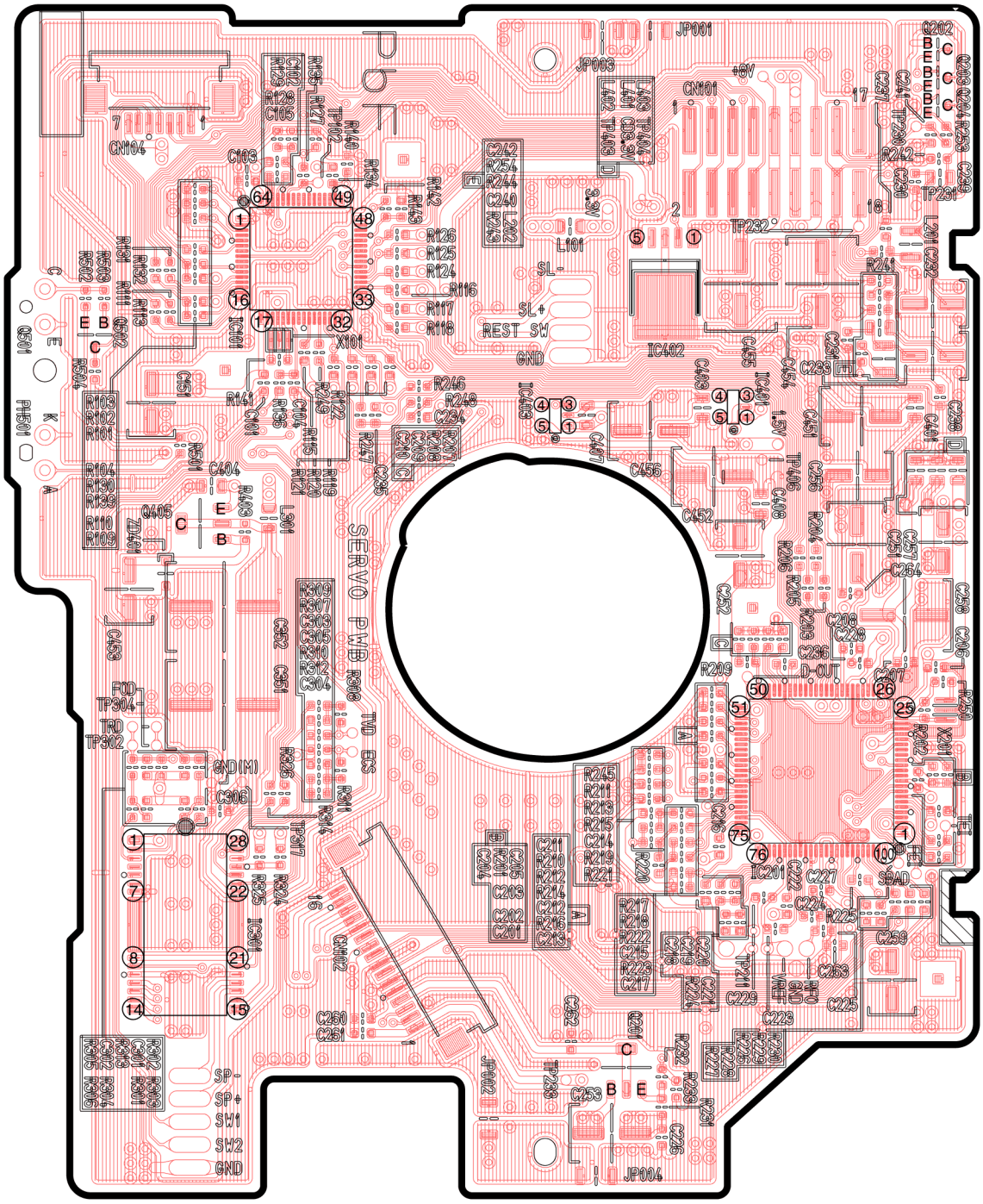
[E-3108b]
[Bottom View]



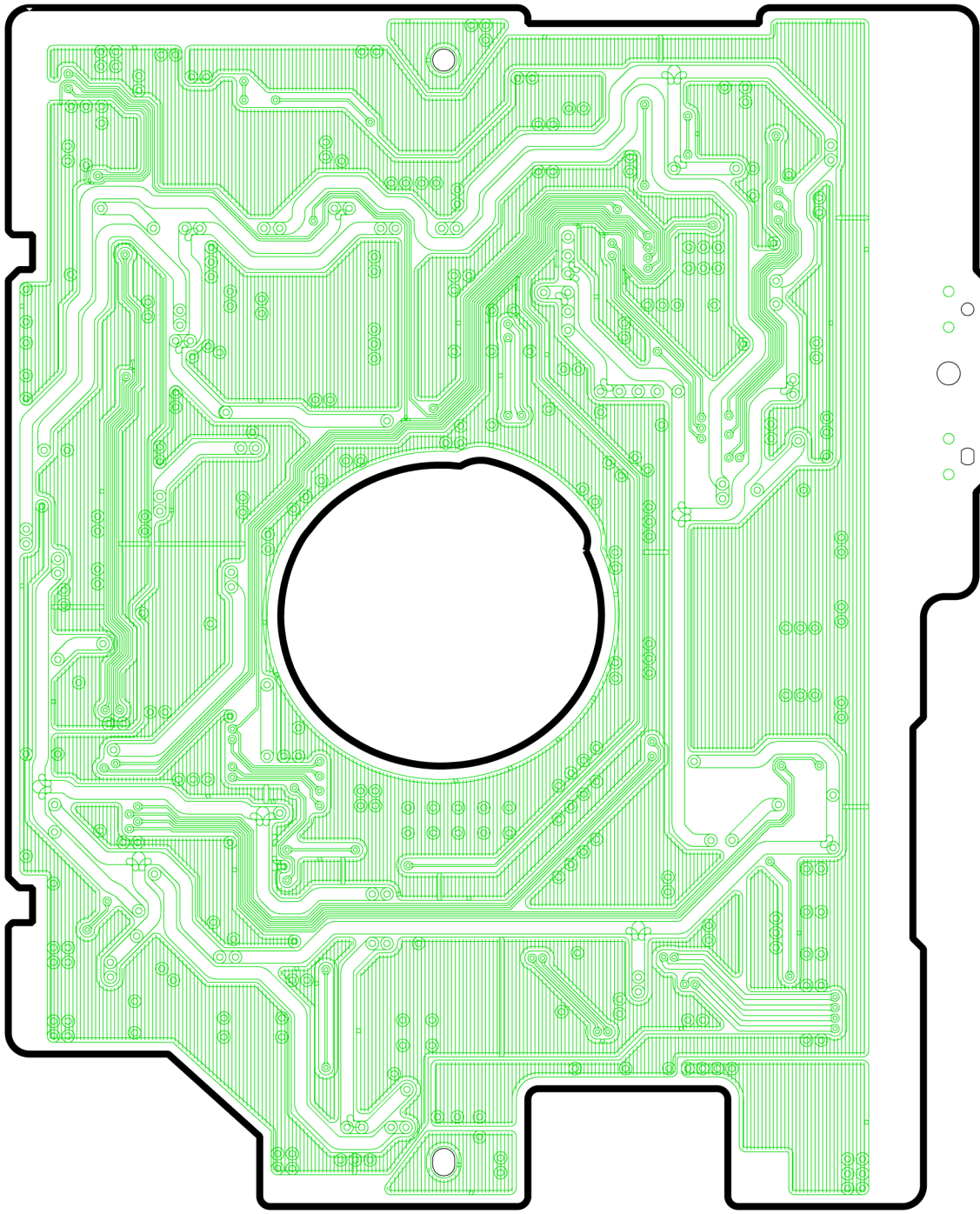
[E-9783] [Top View]



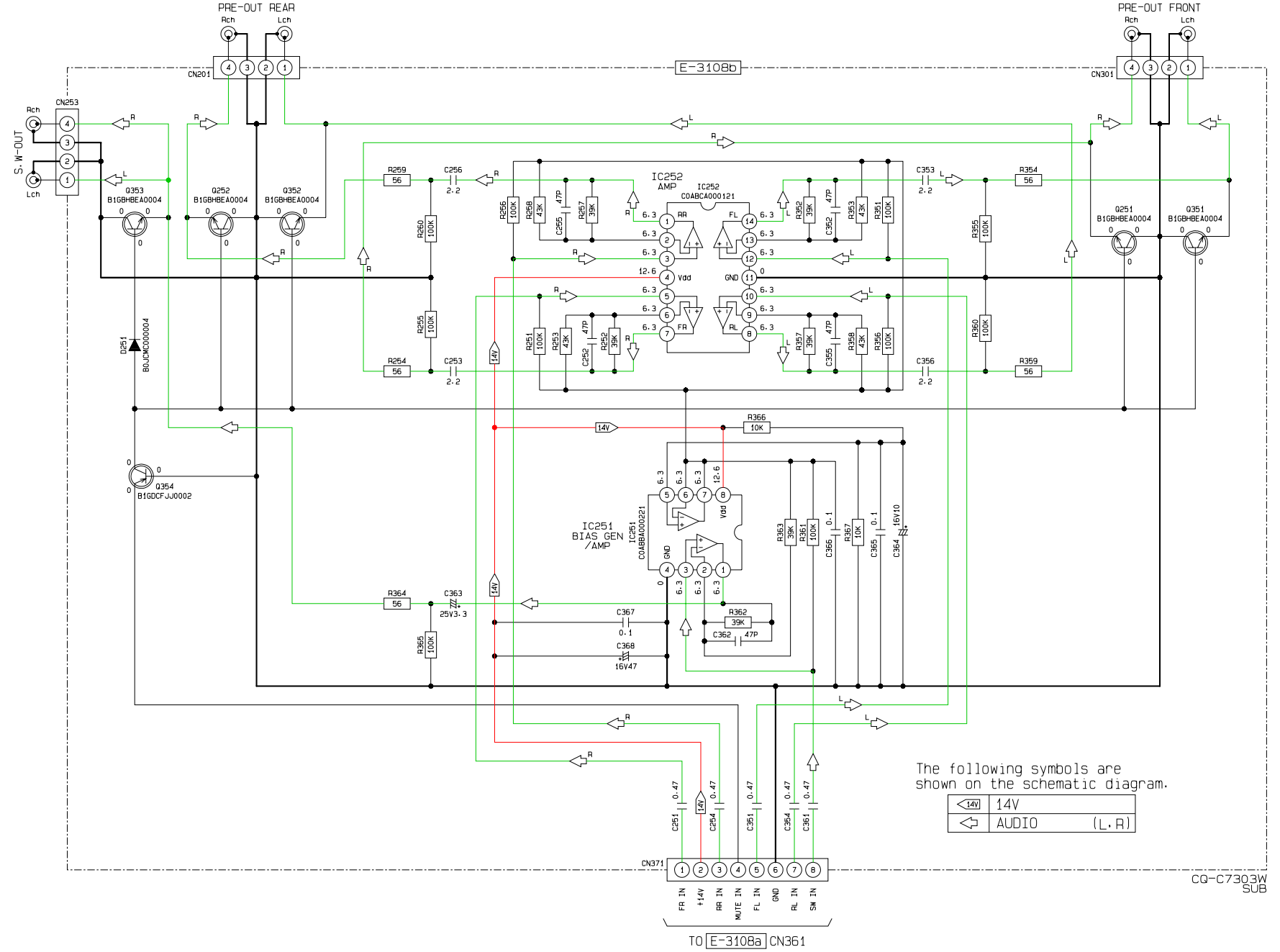
[E-9783] [Bottom View]



[3032-14-35] [Top VIEW]



[3032-14-35] [Bottom VIEW]


PRE-OUT REAR
Rch
Lch
CN201
E-3108b
PRE-OUT FRONT
CN301
S.W-OUT
CN253
Q353 B1GBHBEA0004
Q252 B1GBHBEA0004
Q352 B1GBHBEA0004
Q251 B1GBHBEA0004
Q351 B1GBHBEA0004
IC252 AMP
C0ABCA000121
RR
FL
FR
RL
Vdd
GND
D251 B0JCMC000004
Q354 B1GDCFJJ0002
IC251 BIAS GEN /AMP
C0ABBA000221
14V
CN371
FR IN
+14V
RR IN
MUTE IN
FL IN
GND
RL IN
SW IN
TO E-3108a CN361
The following symbols are shown on the schematic diagram.
14V
AUDIO (L.R)
CQ-C7303W
SUB

E-3108a

TO E-3108b CN371

CN361 (8) FR (7) +14V (6) RR (5) MUTE (4) FL (3) GND (2) RL (1) SW

IC201 ELECTRONIC VOLUME
IC201 C1BB00000796
N.C GND N.C MIX FM.R N.C DEF.GND FM.L AUX.R N.C
SDA SCLK SA.CLK MUTE SA.OUT OUT.SW FILOR AC2OUT.R AC2IN.R FR RR
AUX.L CDC.R CDC.L CD.R CD.L N.C CREF ACOUT.SW ACIN.SW ACOUT.R N.C
N.C FL RL FILOL AC2OUT.L AC2IN.L VDD VREF.OUT ACIN.L ACOUT.L ACIN.R

R324 10K · R323 1K · R325 1K · R326 100 · R330 220 · R220 75 · R221 15K · R321 15K
C326 2.2 · C325 50V2.2 · C323 16V10 · C324 50V2.2 · C330 2.2
C328 0.01 · C327 10V220
C320 2.2 · R320 75 · C220 2.2
Q220 B1GBCFNN0004 · Q320 B1GBCFNN0004

R237 270 · C237 2.2 · R242 270 · C242 2.2
R336 270 · C321 2.2 · R342 270 · C331 2.2

IC221 SRS WOW AUDIO
IC221 C1BB00001131
NC V+ VREFIN VREF MODE3 MODE2 MODE1 TP1 BASSOUT OUTR OUTL TP2 FFR3 FFR2 FFR1 TP3 FFL3 FFL2 FFL1 INR INL NC

C384 10V100 · C385 10 · C386 10 · C387 10 · C388 10 · C389 10
C345 0.47 · C344 0.33 · C343 0.01 · C342 0.033 · C341 10 · C340 1
R372 10K · R379 4.7K · C347 220P
R377 100K · R374 160K
C339 0.1 · C338 0.1 · C337 0.1 · C336 0.1 · C335 0.1 · C334 0.1 · C333 0.01 · C332 0.1
R298 2.2K · R398 2.2K
R281 100K · R381 100K · R282 100K · R382 100K
C282 0.1 · C382 0.1 · C283 10 · C383 10 · C281 10 · C381 10
R389 10K · R388 10K · R387 10K · R231 100K · R391 100K · R284 10K · R283 10K · R384 10K · R383 10K

IC231 ELEV CONT
IC231 C0JBZ5000003
VSS CONT C CONT B IN/OUT OUT/IN IN/OUT OUT/IN IN/OUT
IN/OUT OUT/IN OUT/IN IN/OUT CONT D CONT A VDD

R286 1K · R386 1K · R393 100K · R285 2.7K · R385 2.7K · R392 100K
Q371 B1GBCFNN0004 · R390 47K

D770 B0JCMC000004

9V · 5V · 14V

CDC.L CDC.R PRE.MUTE PRE.14V FR RR FL RL AUX.L AUX.R
A.GND MODE3 MODE2 MODE1 ELEV AUDIO.9V BZ-OUT SA.CLK SDA SCLK CD.R CD.L FM.R FM.L A.IN SW.5V

To Main Block 1/2 Ⓑ

The following symbols are shown on the schematic diagram.

14V	14V		RADIO	(L,R)
9V	9V		CD	(L,R)
5V	5V		AUDIO	(L,R)

E-3108a

To Main Block 2/2 (B)

IC701 C0DAZH00004 POWER SUPPLY

PA51 C5BA00000123 FM/AM TUNER PACK

AUX1-IN

IC790 C0CBCY000004 REG

IC271 C1ZAZ0001450 POWER AMP

IC730 C0DAEX000002 REG

IC770 DC/DC CONV

IC702 C0EBZ0000035 BATT DETECT-RESET

IC760 C0GBG0000032 MOTOR DRIVE

IC601 C2CBKG000036 CPU

IC752 C0CBCB000052 REG

IC401 PLL

IC650 LEVEL SHIFT

IC630 C0JBAA000372 LEVEL SHIFT

IC670 YEANC1456BE INVERTER

IC755 C0DBDB000044 MUTE

To Drive Mechanism Ass'y

TO E-9783 CN901

TO 3032-14-35 CN101

The following symbols are shown on the schematic diagram.

+B		10V		3.3V	
ACC		9V		RADIO	(L.R)
16V		8V		CD	(L.R)
14V		5V		AUDIO	(L.R)

CQ-C7303W
MAIN 1/2

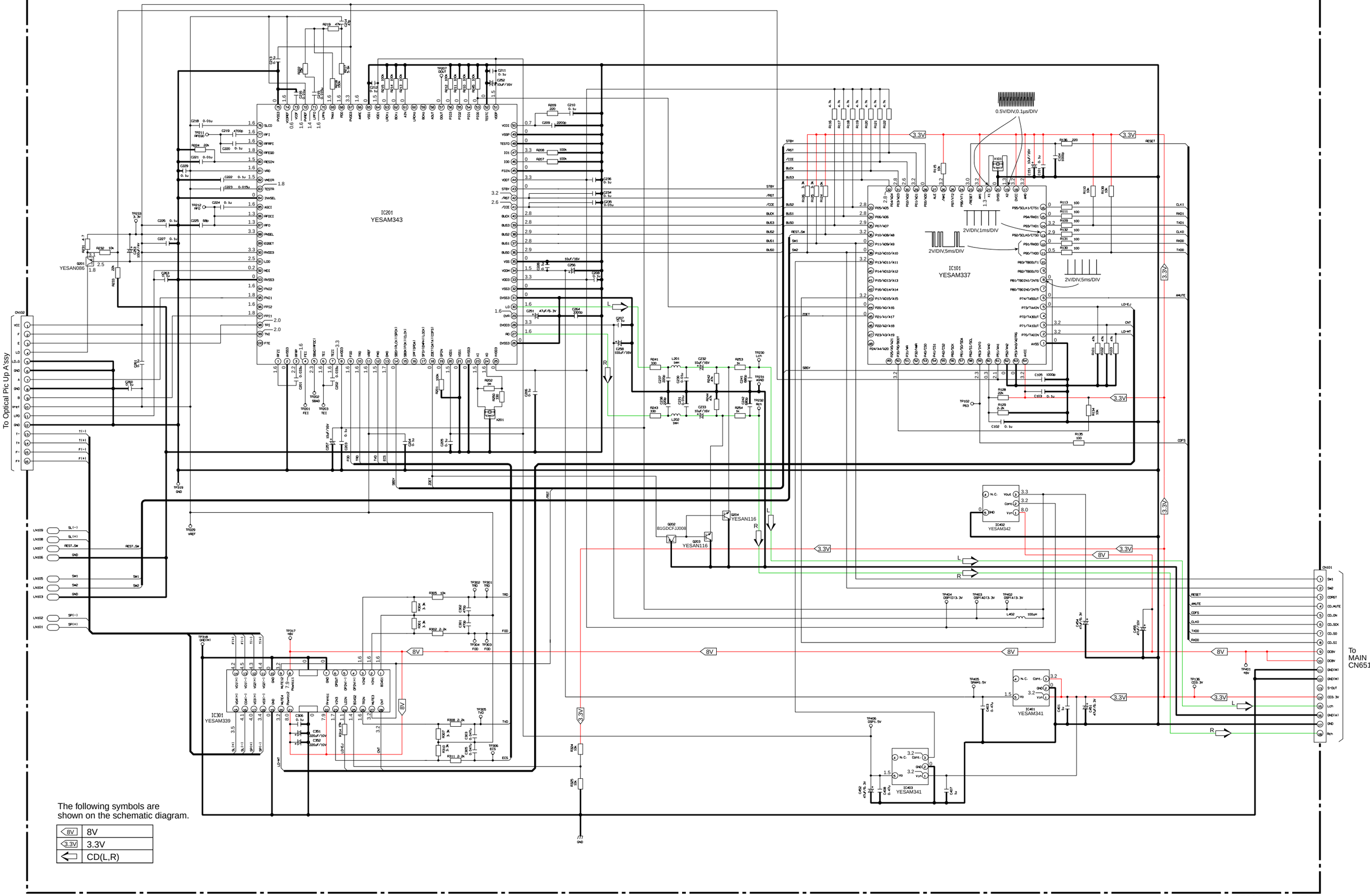
The following symbols are shown on the schematic diagram.

<10V	10V
<5V	5V
<3.3V	3.3V

CQ-C7303W
DISP

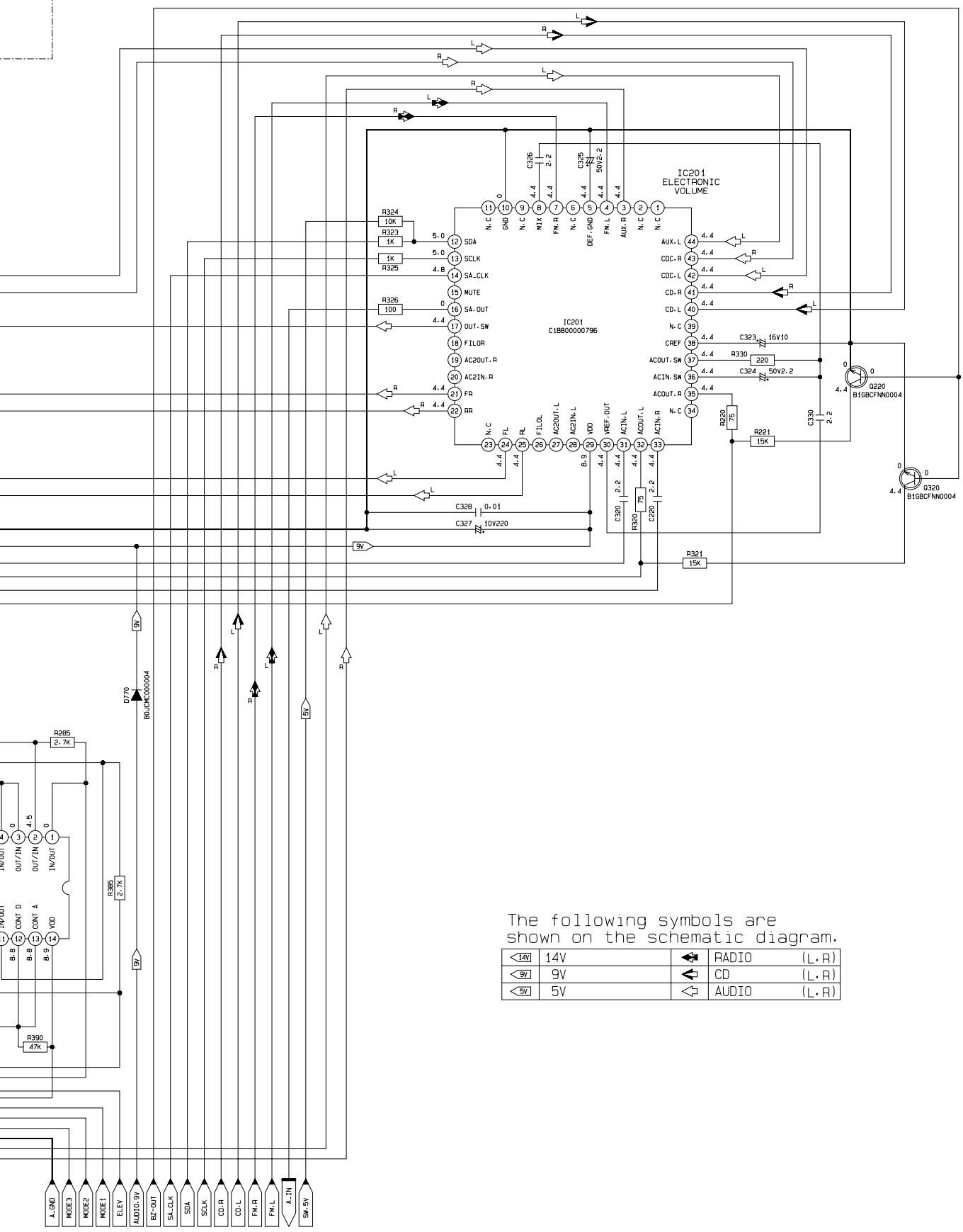
TO E-3108a CN601

To LCD901



The following symbols are shown on the schematic diagram.

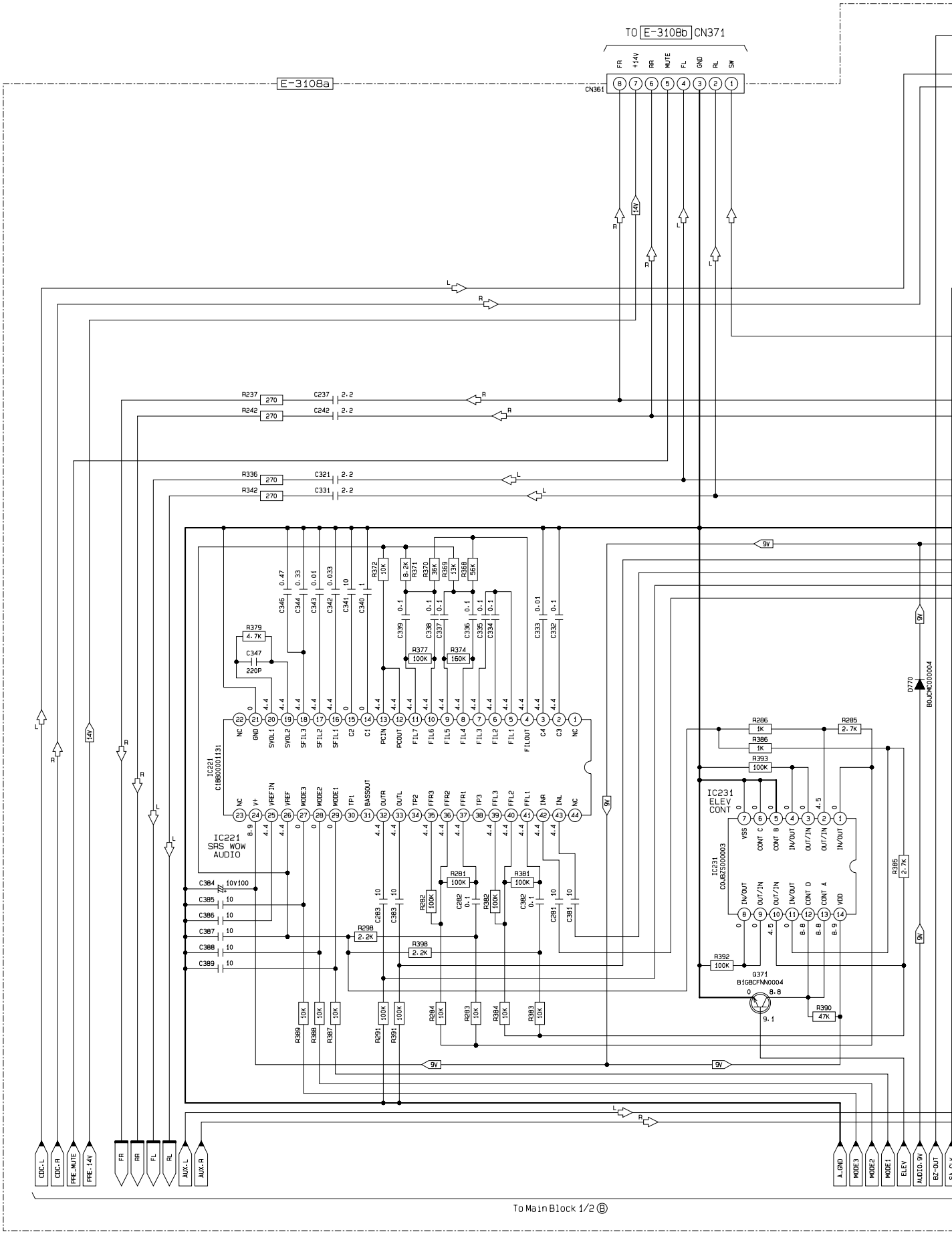
8V	8V
3.3V	3.3V
⇦	CD(L,R)

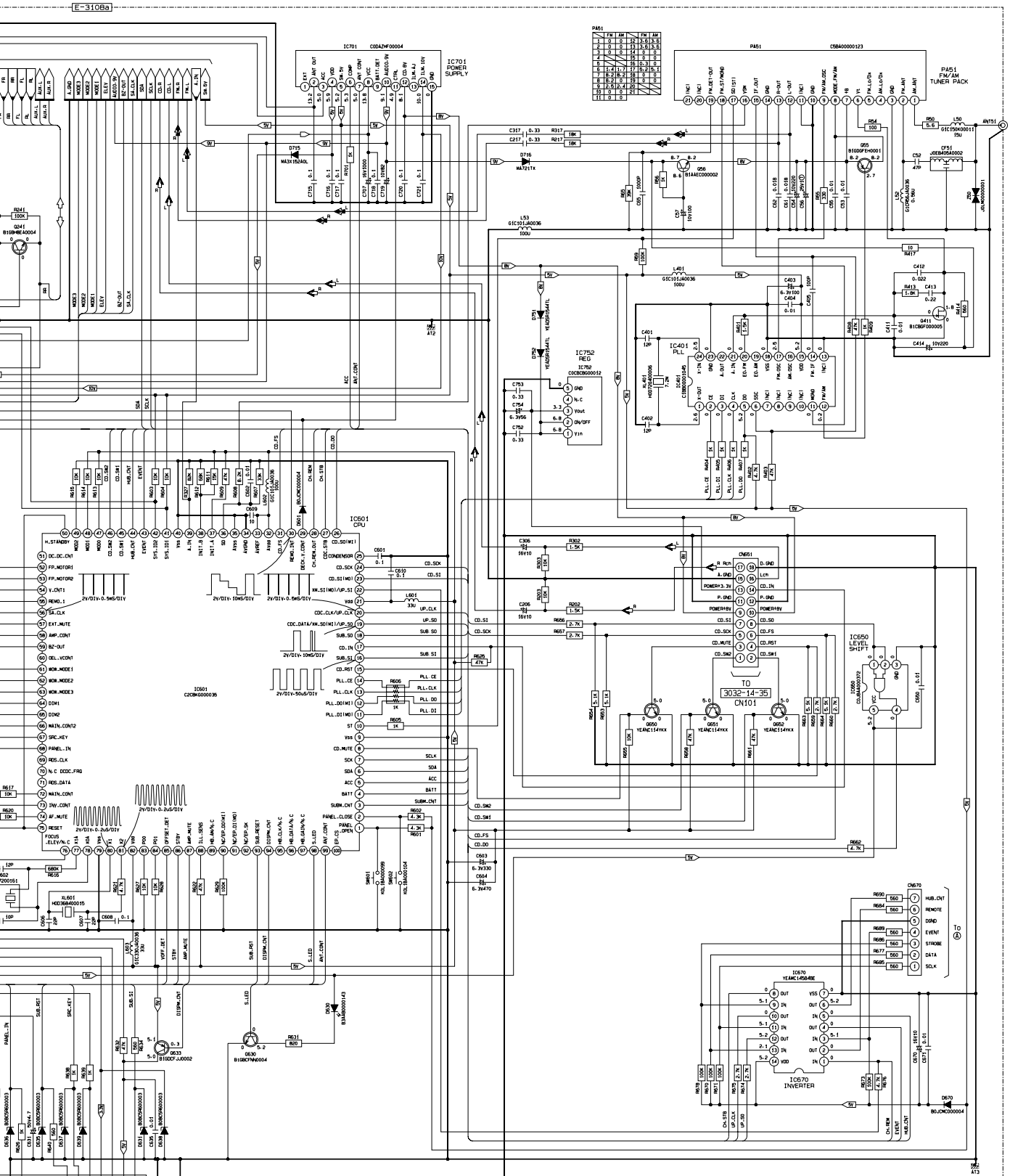


The following symbols are shown on the schematic diagram.

14V	14V		RADIO	(L,R)
9V	9V		CD	(L,R)
5V	5V		AUDIO	(L,R)

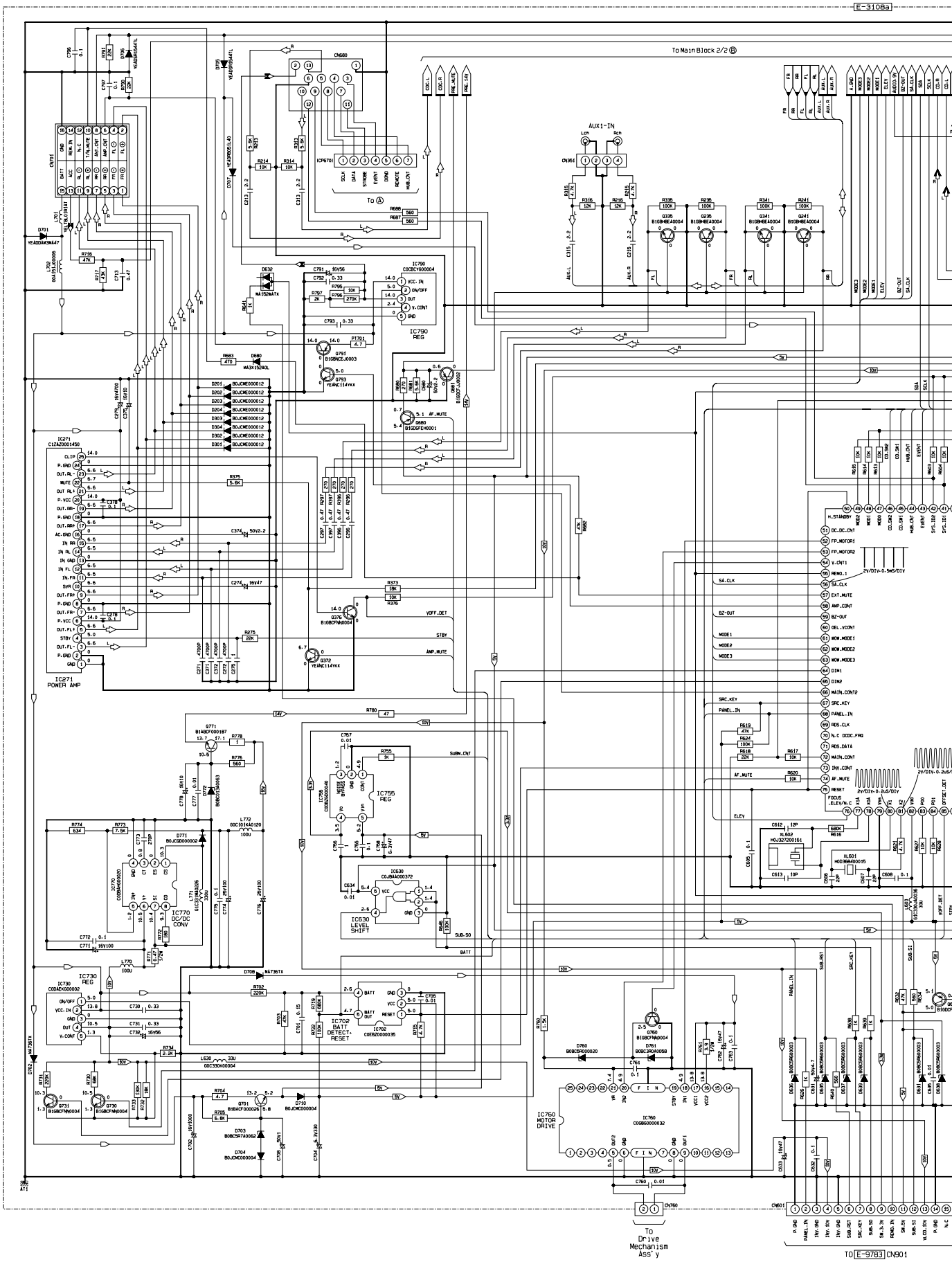
18.2. Main-2 Block

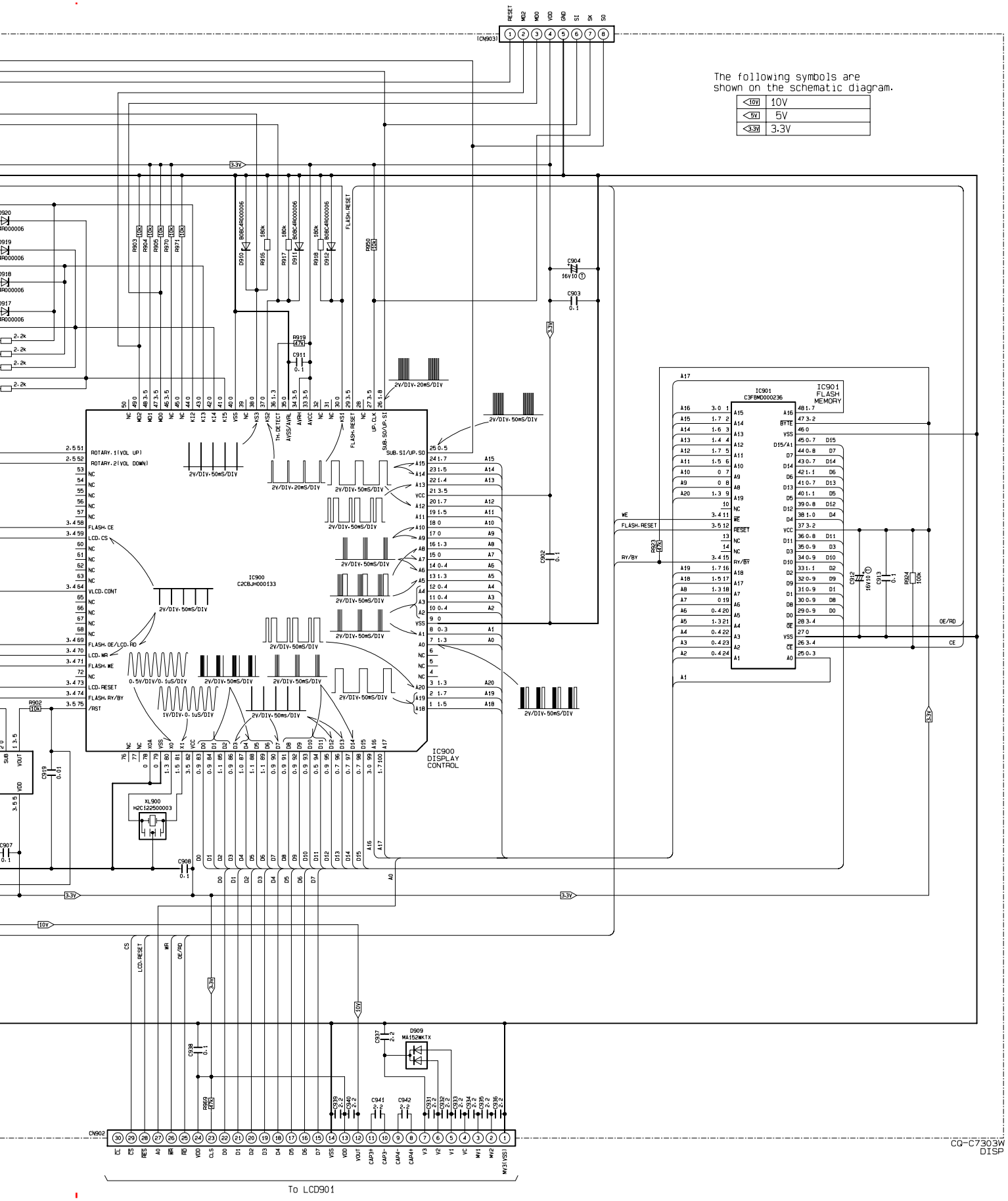



E-3108a
IC701
POWER SUPPLY
IC501
CPU
IC601
IC401
PLL
IC752
REG
IC650
LEVEL SHIFT
IC670
INVERTER
FA51
FM/AM TUNER PACK
CN101
3032-14-35
TO
CN901
TO E-9783 CN901
The following symbols are shown on the schematic diagram.
+B
ACC
16V
14V
10V
9V
8V
5V
3.3V
RADIO (L,R)
CD (L,R)
AUDIO (L,R)

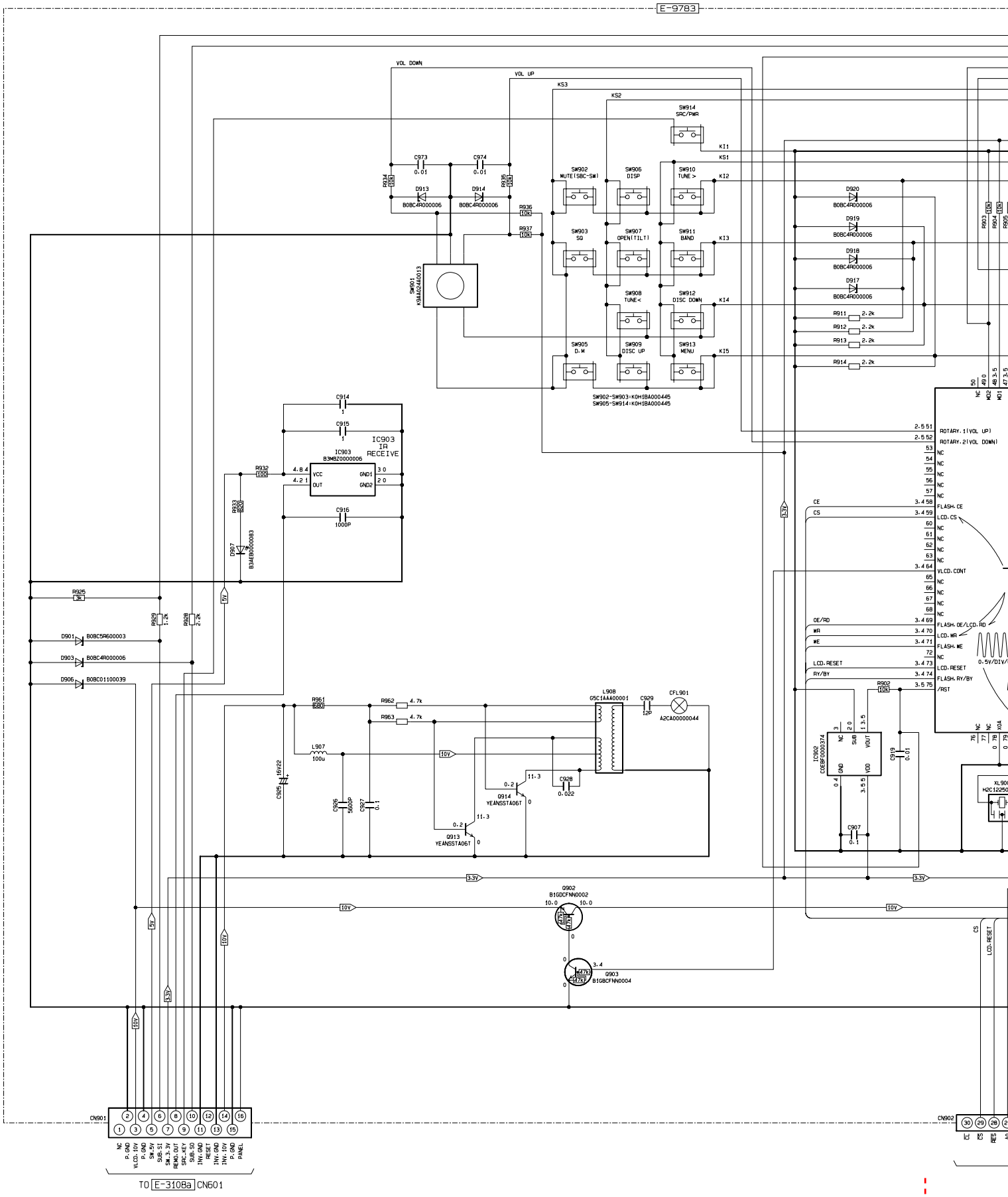
18 SCHEMATIC DIAGRAM-2

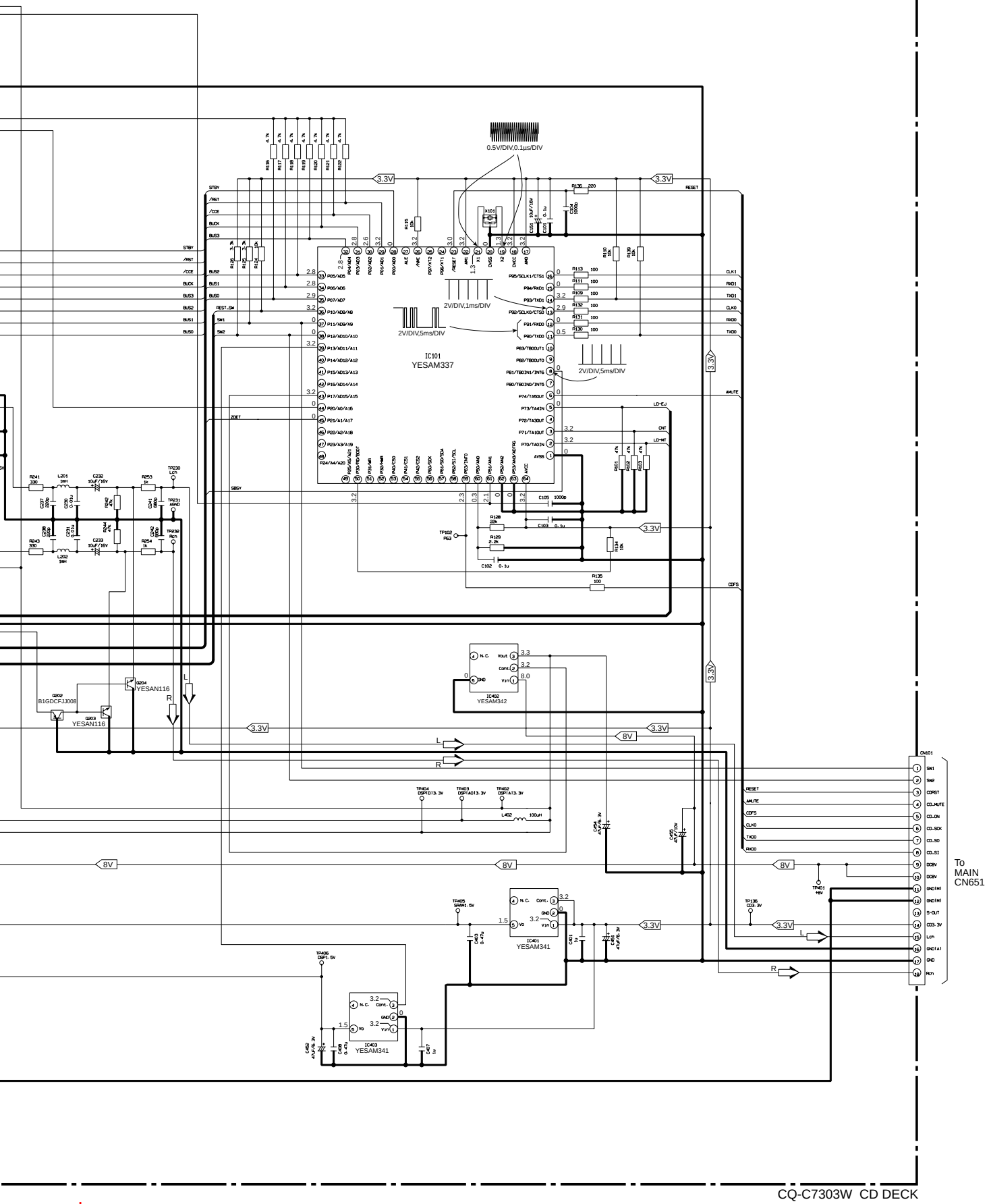
18.1. Main-1 Block




The following symbols are shown on the schematic diagram.
10V
5V
3.3V
IC900 DISPLAY CONTROL
IC901 FLASH MEMORY
To LCD901

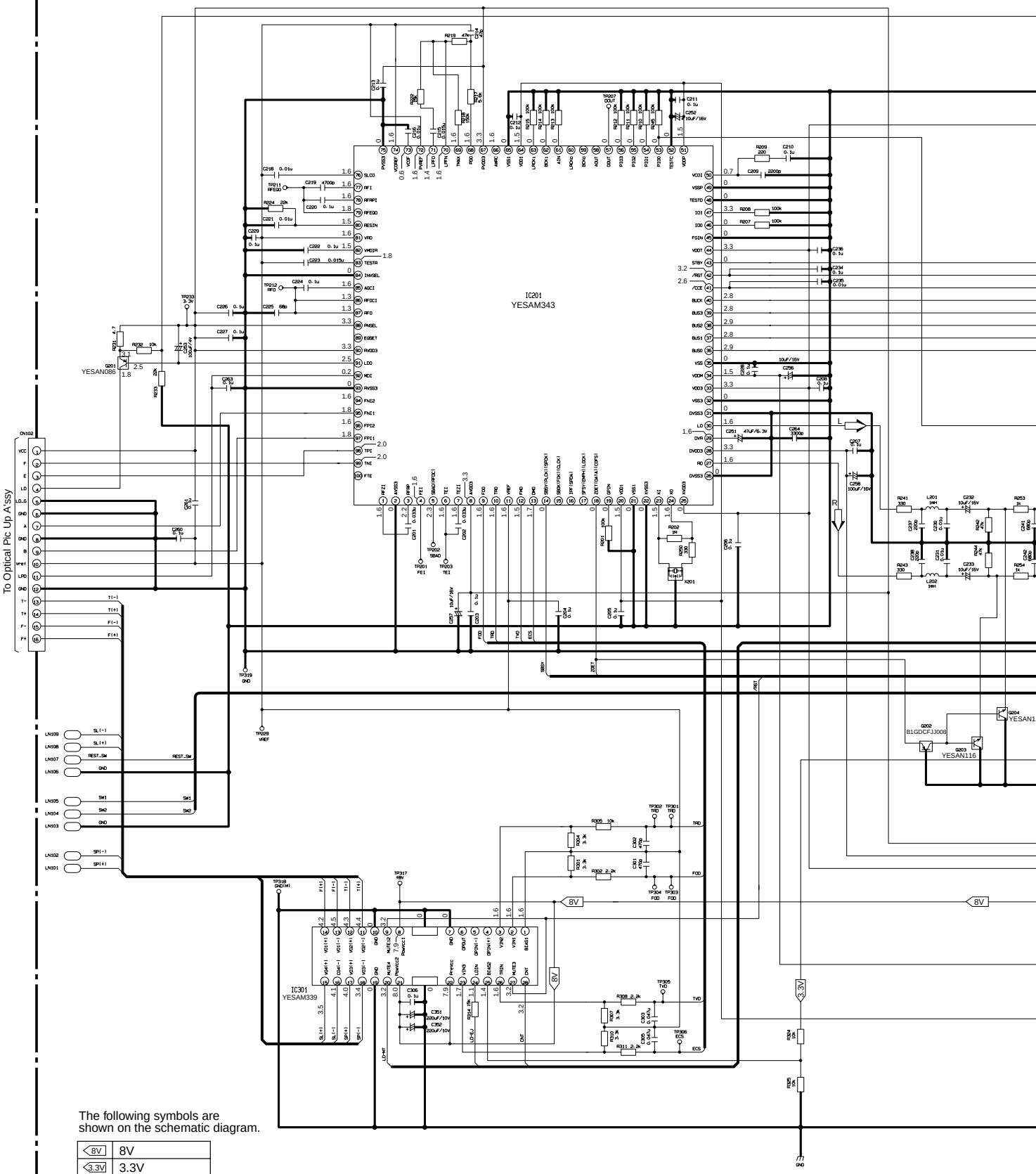
18.3. Display Block



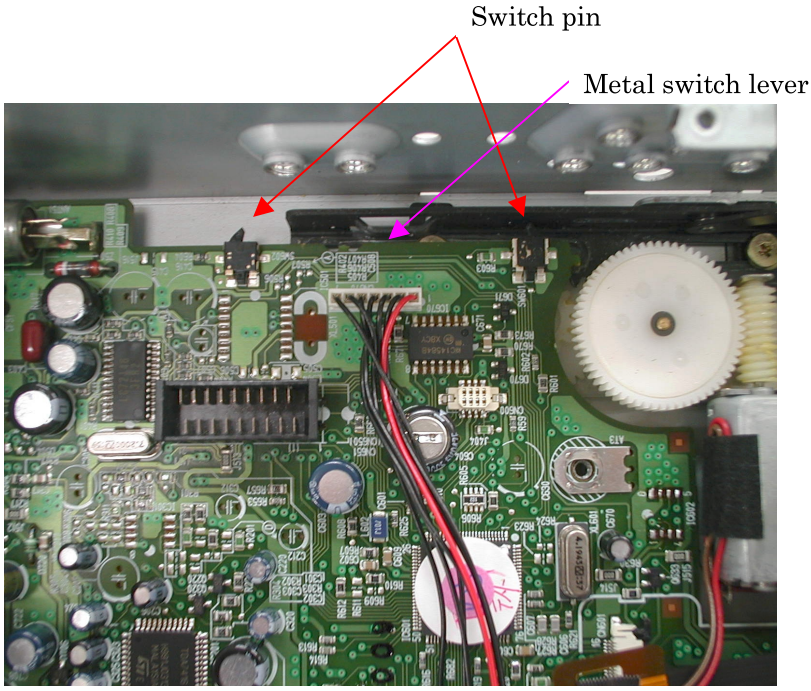

IC101
YESAM337
0.5V/DIV,0.1μs/DIV
2V/DIV,1ms/DIV
2V/DIV,5ms/DIV
2V/DIV,5ms/DIV
3.3V
8V
RESET
AMUTE
CDFS
CLK0
TXD0
RXD0
LD-EJ
LD-MT
CNT
SBSY
ZDET
SW1
SW2
L
R
IC402
YESAM342
IC401
YESAM341
IC403
YESAM341
Q202
B1GDCFJ3008
Q203
YESAN116
Q204
YESAN116
CN101
To
MAIN
CN651

18.4. CD Servo Block

3032-14-35

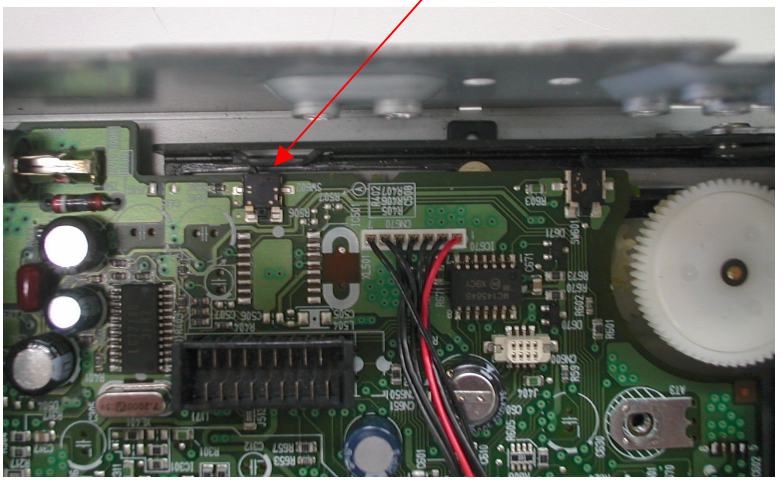


If the front side is tilted 45 degrees, the movable metal lever will not cling onto the switch pin.

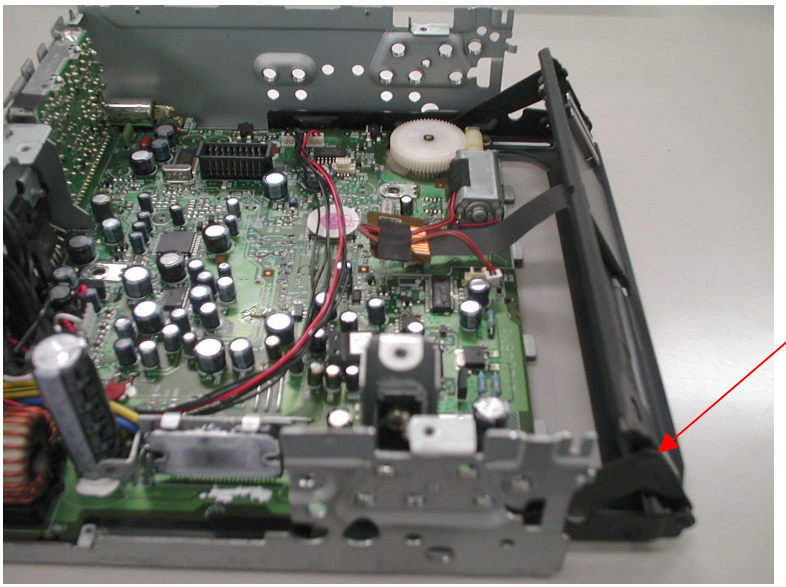


Please install as shown below in order to prevent damages on the end detection switch of the slide mechanism.

If the main P.C.B is installed when the slide mechanism is not moved forward, the switch will hit the metal part and will be damaged.



Move the front side by hand and install the main P.C.B. to the chassis when it is tilted 45 degrees.



When tilted 45 degrees